

DO NOT SCALE

100
0 10
Millimetres

LEGEND

SITE EXTENTS

- Essential Boundary Fenceline
- Highway Boundary Fenceline
- Easement Outside of Highways Boundary
- Temporary Works & Access for Construction & Borrow Pits

EXISTING VEGETATION RETAINED

- LE1.3 Species Rich Grassland
- LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs
- LE2.8 Scrub
- LE4.2 Hedgerow
- LE4.4 Hedgerow with Trees
- LE5.1 Individual Trees

EXISTING VEGETATION TO BE REMOVED BETWEEN CASTLETON & USK

- LE1.3 Species Rich Grassland Area = 533,269m²
- LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs Area = 18,476m²
- LE2.8 Scrub Area = 335,139m²
- LE4.2 Hedgerow Length = 8,216m
- LE4.4 Hedgerow with Trees Length = 4,190m
- LE5.1 Individual Trees Area = 9,071m²

EXISTING FEATURES

- Existing Waterways
- Existing Overhead Powerlines & Pylons
- Tree Protection Fencing
- TPO's to be removed

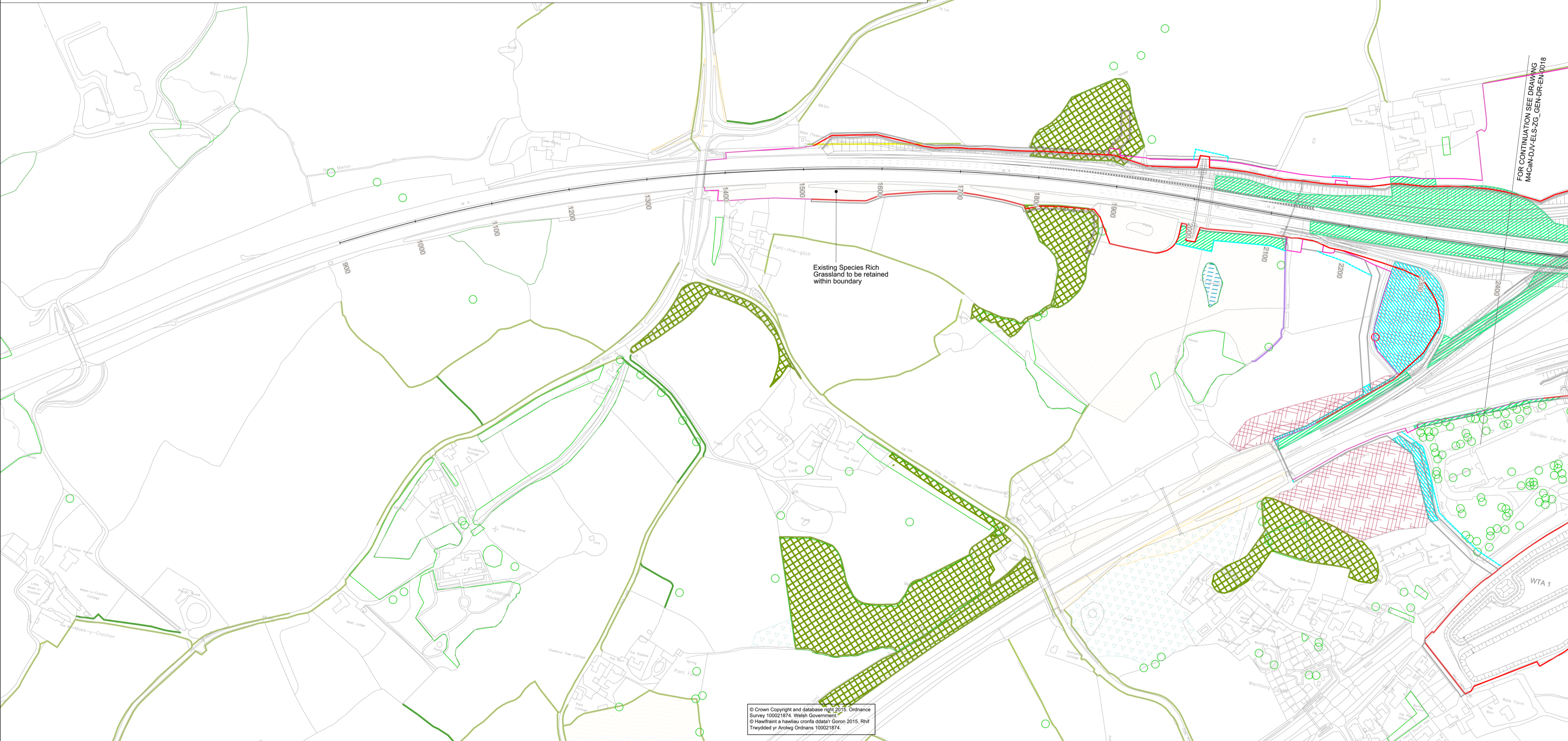
NEW LANDSCAPE ELEMENTS

- LE6.1 Waterbodies & Associated Plants Area = 3,038m²
- LE6.2 Banks & Ditches & LE6.3 Reed Beds Length = 742m
- LE6.4 Marsh & Wet Grassland Area = 585m²

NEWPORT TPO DESIGNATIONS

- Groups/Areas/Woodland/Individual Trees

NOTE:
TPO designations not available from Monmouthshire County Council at time of issue
Circles used for individual TPO trees do not represent true size of trees



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Environmental Functions (EF):

- EFA Visual Screening
- EFB Landscape Integration
- EFC Enhancing the Built Environment
- EFD Nature Conservation and Biodiversity
- EFE Visual Amenity
- EFF Heritage
- EFG Auditory Amenity
- EFH Water Quality
- EFJ Agricultural Highway Boundary
- EFK Access

Landscape Elements (LE):

- LE 1.1 Amenity Grassland
- LE 1.3 Species Rich Grassland
- LE 1.4 Rock and Scree
- LE 1.6 Open Grassland
- LE 2.1 Woodland
- LE 2.4 Linear Belt of Shrubs and Trees
- LE 2.5 Shrubs with Intermittent Trees
- LE 2.6 Shrubs
- LE 3.1 Amenity Tree and Shrub Planting
- LE 3.2 Ornamental Shrubs
- LE 4.3 Native Species Hedgerows
- LE 4.4 Native Hedgerows with Trees
- LE 5.1 Individual Trees
- LE 6.3 Reed Beds
- LE 6.4 Marsh and Wet Grassland
- LE 7 Hard Landscape

Environmental Elements:

- E1 Auditory Amenity
- E1.1 Noise Reducing Surface
- E1.2 Noise Barrier-Built Elements
- E1.3 Noise Earthworks
- E2 Water Quality
- E2.1 Water Pollution Control Measures
- E3 Nature Conservation and Biodiversity
- E3.1 Protected Species
- E3.2 Ecological Protection Measures

KEY PLAN

GENERAL NOTES

- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- ONLY WRITTEN DIMENSIONS SHALL BE USED, DO NOT SCALE.
- DRAWINGS TO BE READ IN CONJUNCTION WITH LANDSCAPE ENVIRONMENTAL MASTERPLANS DRAWINGS 'M4CaN-DJV-ELS-ZG_GEN_DR_EN_0001-0016' AND GENERAL ARRANGEMENT DRAWINGS 'M4CaN-DJV-HGN-ZG_GEN_DR_CH_0001-0016'

ISSUE	23/02/16	FINAL ISSUE TO WG	ERM	NJR	PAI
Rev.	Date	Description	By	Chk'd	App'd

Drawing Status: **FOR COSTING**

Suitability: **D1**

Project Team:

Client:

Llywodraeth Cymru
Welsh Government

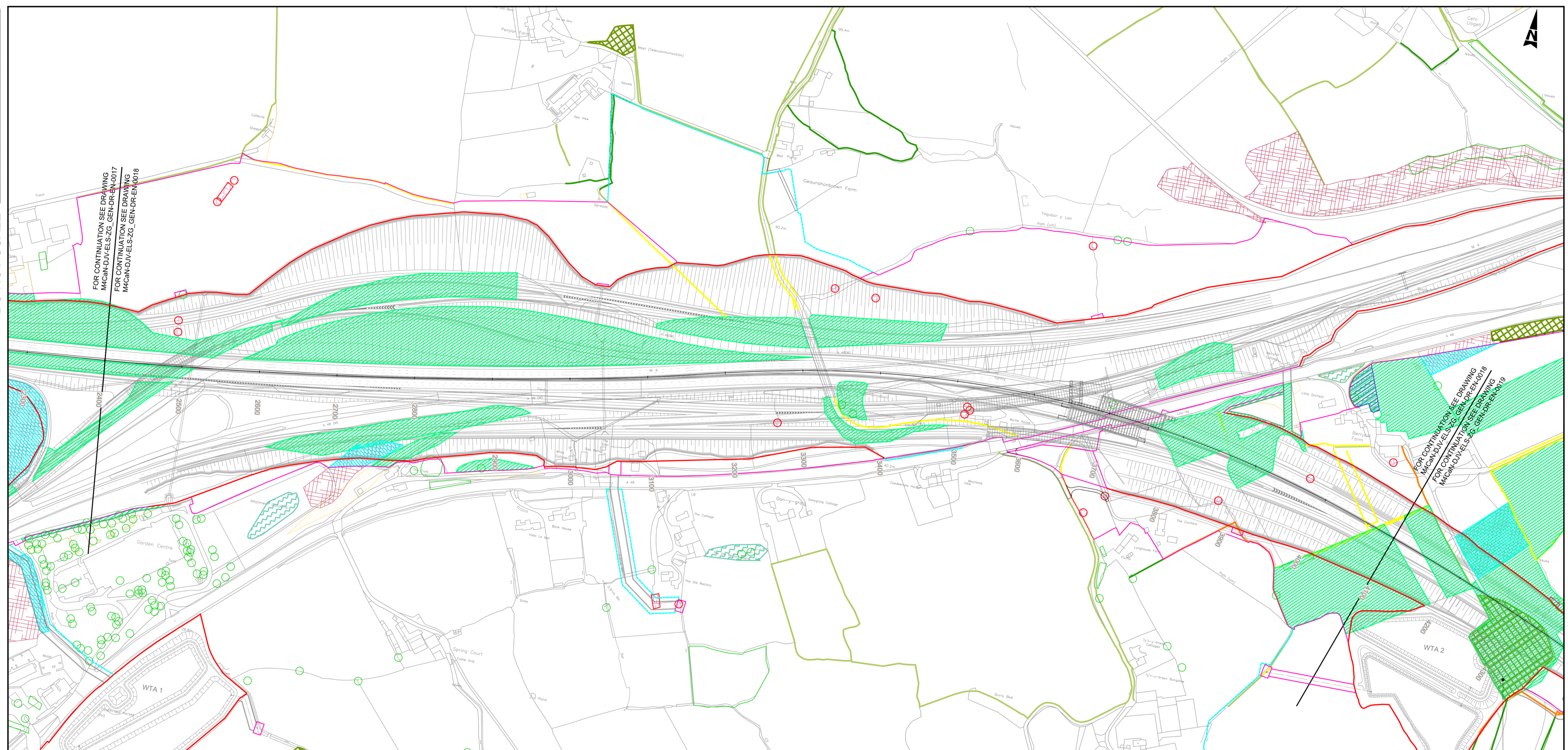
M4 CORRIDOR AROUND NEWPORT

FIGURE 9.21 - EXISTING VEGETATION & CLEARANCE DRAWINGS SHEET 1 OF 16

Scale	Designed / Drawn	Checked	Approved	Authorised
1:2500	ERM	NJR	PAI	KEN
Original Size	Date	Date	Date	Date
A1	10/02/16	10/02/16	10/02/16	23/02/16
Drawing Number	Project	Originator	Volume	Revision
		M4CaN - DJV - ELS - ZG_GEN - DR - EN - 0017		AT ISSUE
Location	Type	Role	Number	

DO NOT SCALE

0 10 100
Millimetres



FOR CONTINUATION SEE DRAWING M4CaN-DJV-ELS-ZG_GEN-DR-EN-0017
FOR CONTINUATION SEE DRAWING M4CaN-DJV-ELS-ZG_GEN-DR-EN-0018

FOR CONTINUATION SEE DRAWING M4CaN-DJV-ELS-ZG_GEN-DR-EN-0018
FOR CONTINUATION SEE DRAWING M4CaN-DJV-ELS-ZG_GEN-DR-EN-0019

Woodland & Linear Belt of Trees and Shrubs & Species Rich Grassland removed in this area

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LEGEND

SITE EXTENTS

- Essential Boundary Fenceline
- Highway Boundary Fenceline
- Easement Outside of Highways Boundary
- Temporary Works & Access for Construction & Borrow Pits

EXISTING VEGETATION RETAINED

- LE1.3 Species Rich Grassland
- LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs
- LE2.8 Scrub
- LE4.2 Hedgerow
- LE4.4 Hedgerow with Trees
- LE5.1 Individual Trees

EXISTING VEGETATION TO BE REMOVED BETWEEN CASTLETON & USK

- LE1.3 Species Rich Grassland Area = 533,269m²
- LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs Area = 18,476m²
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EXISTING FEATURES

- Existing Waterways
- Existing Overhead Powerlines & Pylons

Note:
TPO designations not available from Monmouthshire County Council at time of issue
Circles used for individual TPO trees do not represent true size of trees

EXISTING VEGETATION TO BE REMOVED

- LE6.1 Waterbodies & Associated Plants Area = 3,038m²
- LE6.2 Banks & Ditches & LE6.3 Reed Beds Length = 742m
- LE6.4 Marsh & Wet Grassland Area = 585m²
- Tree Protection Fencing
- TPO's to be removed

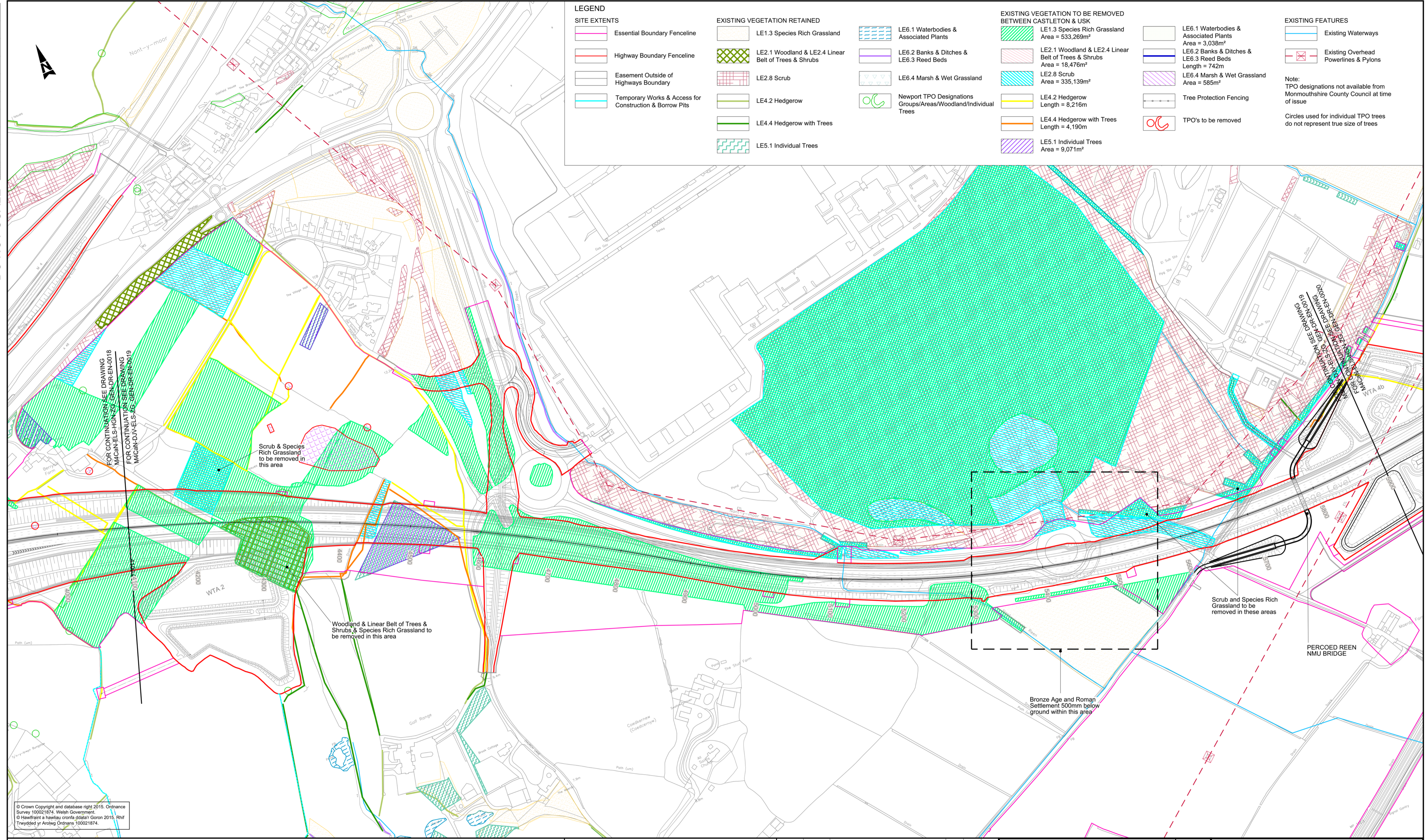
<p>Environmental Functions (EF):</p> <ul style="list-style-type: none"> EFA Visual Screening EFB Landscape Integration EFC Enhancing the Built Environment EFD Nature Conservation and Biodiversity EFE Visual Amenity EFF Heritage EFG Auditory Amenity EFH Water Quality EFJ Agricultural Highway Boundary EFK Access 	<p>Landscape Elements (LE):</p> <ul style="list-style-type: none"> LE 1.1 Amenity Grassland LE 1.3 Species Rich Grassland LE 1.4 Rock and Scree LE 1.6 Open Grassland LE 2.1 Woodland LE 2.4 Linear Belt of Shrubs and Trees LE 2.6 Shrubs LE 2.5 Shrubs with Intermittent Trees LE 3.1 Amenity Tree and Shrub Planting LE 3.2 Ornamental Shrubs LE 4.3 Native Species Hedgerows LE 4.4 Native Hedgerows with Trees LE 5.1 Individual Trees LE 6.3 Reed Beds LE 6.4 Marsh and Wet Grassland LE 7 Hard Landscape 	<p>Environmental Elements:</p> <ul style="list-style-type: none"> E1 Auditory Amenity E1.1 Noise Reducing Surface E1.2 Noise Barrier-Built Elements E1.3 Noise Earthworks E2 Water Quality E2.1 Water Pollution Control Measures E3 Nature Conservation and Biodiversity E3.1 Protected Species E3.2 Ecological Protection Measures 	<p>KEY PLAN</p> <p>GENERAL NOTES</p> <ol style="list-style-type: none"> ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE. ONLY WRITTEN DIMENSIONS SHALL BE USED, DO NOT SCALE. DRAWINGS TO BE READ IN CONJUNCTION WITH LANDSCAPE ENVIRONMENTAL MASTERPLANS DRAWINGS 'M4CaN-DJV-ELS-ZG_GEN_DR_EN_0001-0016' AND GENERAL ARRANGEMENT DRAWINGS 'M4CaN-DJV-HGN-ZG_GEN_DR_CH_0001-0016' 	<table border="1"> <tr> <td>ISSUE</td> <td>23/02/16</td> <td>FINAL ISSUE TO WG</td> <td>ERM</td> <td>NJR</td> <td>PAI</td> </tr> <tr> <td>Rev.</td> <td>Date</td> <td>Description</td> <td>By</td> <td>Chk'd</td> <td>App'd</td> </tr> </table>	ISSUE	23/02/16	FINAL ISSUE TO WG	ERM	NJR	PAI	Rev.	Date	Description	By	Chk'd	App'd	<p>Drawing Status: FOR COSTING</p> <p>Project Team:</p> <p>Client: </p>	<p>Subsidiary: D1</p> <p>Project Title: M4 CORRIDOR AROUND NEWPORT</p> <p>Drawing Title: FIGURE 9.21 - EXISTING VEGETATION & CLEARANCE DRAWINGS SHEET 2 OF 16</p> <table border="1"> <tr> <td>Scale</td> <td>1:2500</td> <td>Designed / Drawn</td> <td>ERM</td> <td>Checked</td> <td>NJR</td> <td>Approved</td> <td>PAI</td> <td>Authorised</td> <td>KEN</td> </tr> <tr> <td>Original Size</td> <td>A1</td> <td>Date</td> <td>10/02/16</td> <td>Date</td> <td>10/02/16</td> <td>Date</td> <td>10/02/16</td> <td>Date</td> <td>23/02/16</td> </tr> </table> <p>Drawing Number: M4CaN - DJV - ELS - ZG_GEN - DR - EN - 0018</p> <p>Project: M4CaN - DJV - ELS - ZG_GEN - DR - EN - 0018</p> <p>Originator: ERM</p> <p>Volume: 1</p> <p>Revision: AT ISSUE</p>	Scale	1:2500	Designed / Drawn	ERM	Checked	NJR	Approved	PAI	Authorised	KEN	Original Size	A1	Date	10/02/16	Date	10/02/16	Date	10/02/16	Date	23/02/16
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Rev.	Date	Description	By	Chk'd	App'd																																	
Scale	1:2500	Designed / Drawn	ERM	Checked	NJR	Approved	PAI	Authorised	KEN																													
Original Size	A1	Date	10/02/16	Date	10/02/16	Date	10/02/16	Date	23/02/16																													

DO NOT SCALE

Millimetres

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LEGEND		EXISTING VEGETATION RETAINED		EXISTING VEGETATION TO BE REMOVED BETWEEN CASTLETON & USK		EXISTING FEATURES	
	Essential Boundary Fenceline		LE1.3 Species Rich Grassland		LE1.3 Species Rich Grassland Area = 533,269m ²		LE6.1 Waterbodies & Associated Plants Area = 3,038m ²
	Highway Boundary Fenceline		LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs		LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs Area = 18,476m ²		LE6.2 Banks & Ditches & LE6.3 Reed Beds Length = 742m
	Easement Outside of Highways Boundary		LE2.8 Scrub		LE2.8 Scrub Area = 335,139m ²		LE6.4 Marsh & Wet Grassland Area = 585m ²
	Temporary Works & Access for Construction & Borrow Pits		LE4.2 Hedgerow		LE4.2 Hedgerow Length = 8,216m		Tree Protection Fencing
			LE4.4 Hedgerow with Trees		LE4.4 Hedgerow with Trees Length = 4,190m		TPO's to be removed
			LE5.1 Individual Trees		LE5.1 Individual Trees Area = 9,071m ²		
			LE6.1 Waterbodies & Associated Plants				
			LE6.2 Banks & Ditches & LE6.3 Reed Beds				
			LE6.4 Marsh & Wet Grassland				
			Newport TPO Designations Groups/Areas/Woodland/Individual Trees				

Note:
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Circles used for individual TPO trees do not represent true size of trees


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Environmental Functions (EF):	Landscape Elements (LE):	Environmental Elements:
EFA Visual Screening	LE 1.1 Amenity Grassland	E1 Auditory Amenity
EFB Landscape Integration	LE 1.3 Species Rich Grassland	E1.1 Noise Reducing Surface
EFC Enhancing the Built Environment	LE 1.4 Rock and Scree	E1.2 Noise Barrier-Built Elements
EFD Nature Conservation and Biodiversity	LE 1.6 Open Grassland	E1.3 Noise Earthworks
EFE Visual Amenity	LE 2.1 Woodland	E2 Water Quality
EFF Heritage	LE 2.4 Linear Belt of Shrubs and Trees	E2.1 Water Pollution Control Measures
EFG Auditory Amenity	LE 2.5 Shrubs with Intermittent Trees	E3 Nature Conservation and Biodiversity
EFH Water Quality	LE 2.6 Shrubs	E3.1 Protected Species
EFJ Agricultural Highway Boundary	LE 3.1 Amenity Tree and Shrub Planting	E3.2 Ecological Protection Measures
EFK Access	LE 3.2 Ornamental Shrubs	
	LE 4.3 Native Species Hedgerows	
	LE 4.4 Native Hedgerows with Trees	
	LE 5.1 Individual Trees	
	LE 6.3 Reed Beds	
	LE 6.4 Marsh and Wet Grassland	
	LE 7 Hard Landscape	

KEY PLAN	GENERAL NOTES
	1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
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	3. DRAWINGS TO BE READ IN CONJUNCTION WITH LANDSCAPE ENVIRONMENTAL MASTERPLANS DRAWINGS 'M4CaN-DJV-ELS-ZG_GEN_DR_EN_001-0016' AND GENERAL ARRANGEMENT DRAWINGS 'M4CaN-DJV-HGN-ZG_GEN_DR_CH_0001-0016'

ISSUE	23/02/16	FINAL ISSUE TO WG	ERM	NJR	PAI
Rev.	Date	Description	By	Chk'd	App'd

Drawing Status		FOR COSTING		Sustainability		D1		Project Title		M4 CORRIDOR AROUND NEWPORT	
Project Team								Drawing Title		FIGURE 9.21 - EXISTING VEGETATION & CLEARANCE DRAWINGS SHEET 3 OF 16	
Client								Scale		1:2500	
								Designed / Drawn		ERM	
								Checked		NJR	
								Approved		PAI	
								Authorised		KEN	
								Original Size		A1	
								Date		10/02/16	
								Date		10/02/16	
								Date		10/02/16	
								Date		23/02/16	
								Drawing Number		M4CaN - DJV - ELS - ZG_GEN - DR - EN - 0019	
								Project		Volume	
								Location		Type	
								Role		Number	
								Revision		AT ISSUE	



Llywodraeth Cymru
Welsh Government

100
Millimetres
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DO NOT SCALE

LEGEND

SITE EXTENTS

- Essential Boundary Fenceline
- Highway Boundary Fenceline
- Easement Outside of Highways Boundary
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EXISTING VEGETATION RETAINED

- LE1.3 Species Rich Grassland
- LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs
- LE2.8 Scrub
- LE4.2 Hedgerow
- LE4.4 Hedgerow with Trees
- LE5.1 Individual Trees
- LE6.1 Waterbodies & Associated Plants
- LE6.2 Banks & Ditches & LE6.3 Reed Beds
- LE6.4 Marsh & Wet Grassland
- Newport TPO Designations Groups/Areas/Woodland/Individual Trees

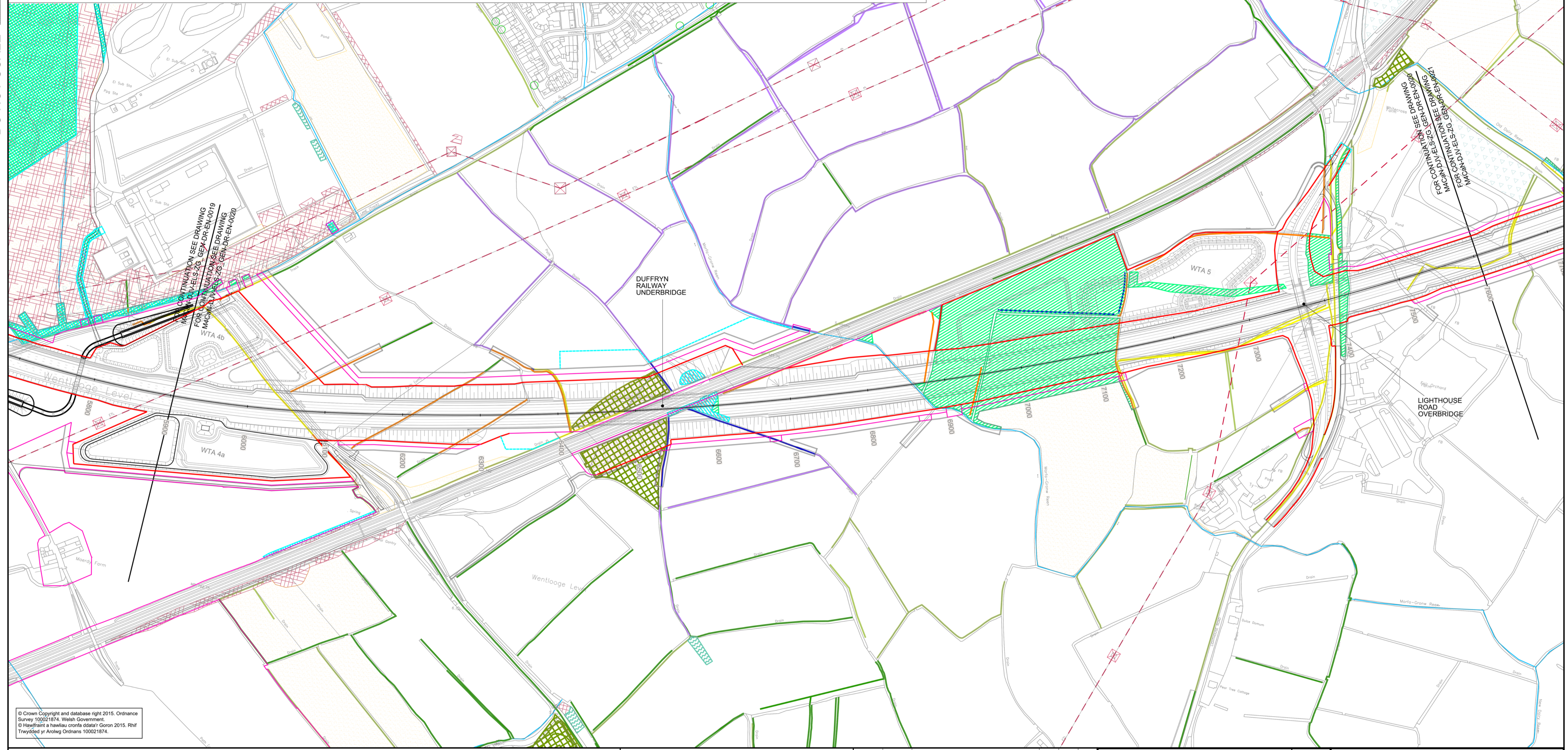
EXISTING VEGETATION TO BE REMOVED BETWEEN CASTLETON & USK

- LE1.3 Species Rich Grassland Area = 533,269m²
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- LE4.4 Hedgerow with Trees Length = 4,190m
- LE5.1 Individual Trees Area = 9,071m²
- LE6.1 Waterbodies & Associated Plants Area = 3,038m²
- LE6.2 Banks & Ditches & LE6.3 Reed Beds Length = 742m
- LE6.4 Marsh & Wet Grassland Area = 585m²
- Tree Protection Fencing
- TPO's to be removed

EXISTING FEATURES

- Existing Waterways
- Existing Overhead Powerlines & Pylons

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EFA Visual Screening	LE 1.1 Amenity Grassland	E1 Auditory Amenity
EFB Landscape Integration	LE 1.3 Species Rich Grassland	E1.1 Noise Reducing Surface
EFC Enhancing the Built Environment	LE 1.4 Rock and Scree	E1.2 Noise Barrier-Built Elements
EFD Nature Conservation and Biodiversity	LE 1.6 Open Grassland	E1.3 Noise Earthworks
EFE Visual Amenity	LE 2.1 Woodland	E2 Water Quality
EFF Heritage	LE 2.4 Linear Belt of Shrubs and Trees	E2.1 Water Pollution Control Measures
EFG Auditory Amenity	LE 2.6 Shrubs	E3 Nature Conservation and Biodiversity
EFH Water Quality	LE 2.5 Shrubs with Intermittent Trees	E3.1 Protected Species
EFJ Agricultural Highway Boundary	LE 3.1 Amenity Tree and Shrub Planting	E3.2 Ecological Protection Measures
EFK Access	LE 3.2 Ornamental Shrubs	
	LE 4.3 Native Species Hedgerows	
	LE 4.4 Native Hedgerows with Trees	
	LE 5.1 Individual Trees	
	LE 6.3 Reed Beds	
	LE 6.4 Marsh and Wet Grassland	
	LE 7 Hard Landscape	

KEY PLAN

GENERAL NOTES

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ISSUE	23/02/16	FINAL ISSUE TO WG	ERM	NJR	PAI
Rev.	Date	Description	By	Chk'd	App'd

Drawing Status: **FOR COSTING**

Project Team:

Client:

Llywodraeth Cymru
Welsh Government

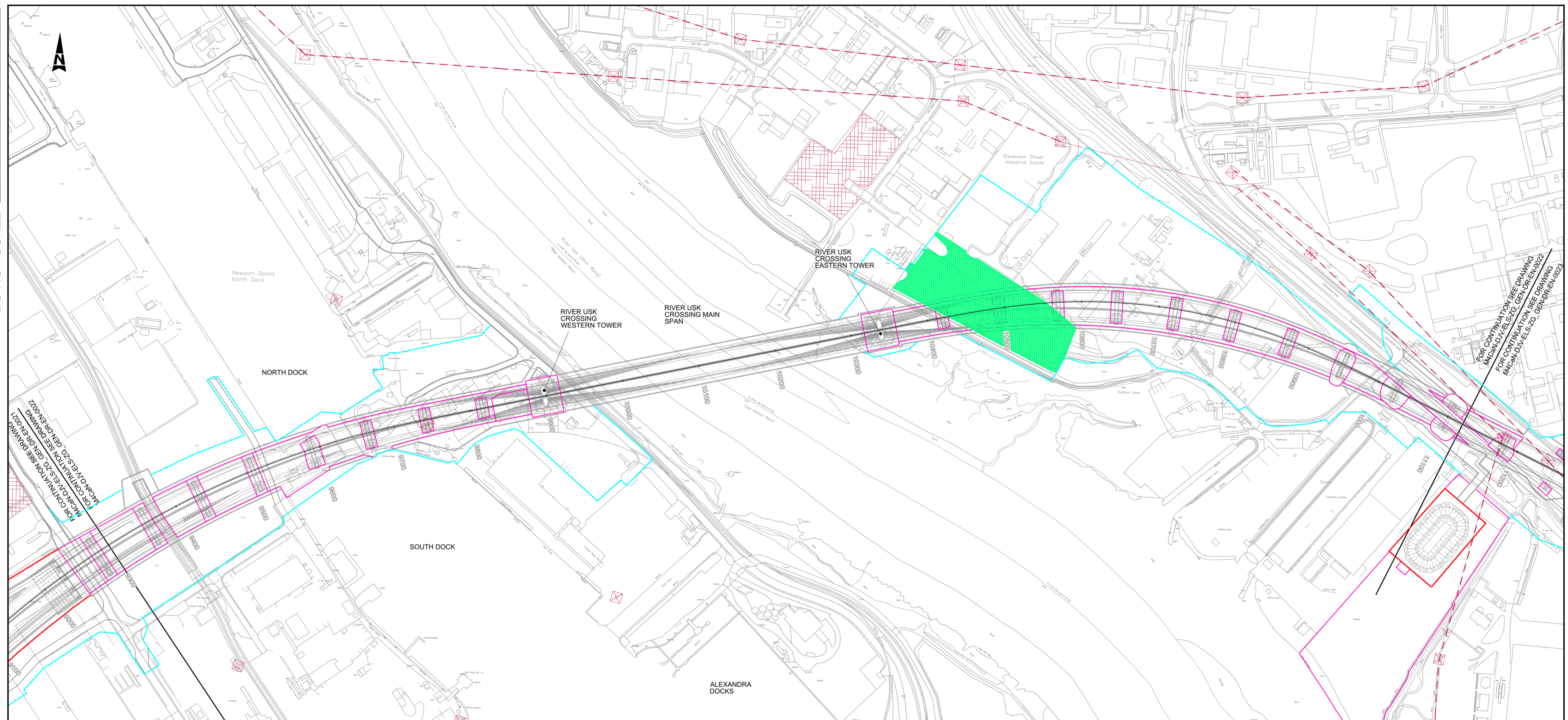
Project Title		M4 CORRIDOR AROUND NEWPORT			
Drawing Title		FIGURE 9.21 - EXISTING VEGETATION & CLEARANCE DRAWINGS SHEET 4 OF 16			
Scale	Designed / Drawn	Checked	Approved	Authorised	
1:2500	ERM	NJR	PAI	KEN	
Original Size	Date	Date	Date	Date	
A1	10/02/16	10/02/16	10/02/16	23/02/16	
Drawing Number	Project	Originator	Volume	Revision	
	M4CaN - DJV - ELS - ZG_GEN - DR - EN - 0020			AT ISSUE	
Location	Type	Role	Number		

DO NOT SCALE

Millimetres

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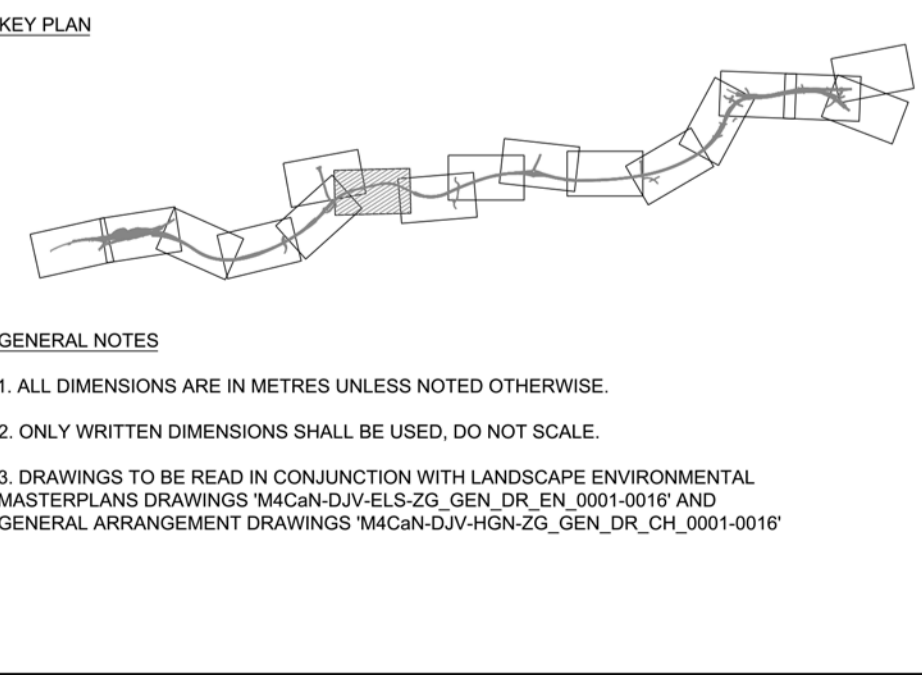
LEGEND	
SITE EXTENTS	EXISTING VEGETATION RETAINED
Essential Boundary Fenceline	LE1.3 Species Rich Grassland
Highway Boundary Fenceline	LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs
Easement Outside of Highways Boundary	LE2.8 Scrub
Temporary Works & Access for Construction & Borrow Pits	LE4.2 Hedgerow
	LE4.4 Hedgerow with Trees
	LE5.1 Individual Trees
	LE6.1 Waterbodies & Associated Plants
	LE6.2 Banks & Ditches & LE6.3 Reed Beds
	LE6.4 Marsh & Wet Grassland
	Allotments
	Newport City Council TPO designations of Groups/Areas/Woodland/Individual Trees
	EXISTING VEGETATION TO BE REMOVED BETWEEN USK & MAGOR
	LE1.3 Species Rich Grassland Area = 255,998m ²
	LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs Area = 26,076m ²
	LE2.8 Scrub Area = 229,245m ²
	LE4.2 Hedgerow Length = 12,713m
	LE4.4 Hedgerow with Trees Length = 8,429m
	LE5.1 Individual Trees Area = 5,897m ²
	LE6.1 Waterbodies & Associated Plants Area = 4,006m ²
	LE6.2 Banks & Ditches & LE6.3 Reed Beds Length = 8,887m
	LE6.4 Marsh & Wet Grassland Area = 209,405m ²
	Tree Protection Fencing
	TPO's to be removed
	EXISTING FEATURES
	Existing Waterways
	Existing Overhead Powerlines & Pylons
	Note: TPO designations not available from Monmouthshire County Council at time of issue Circles used for individual TPO trees do not represent true size of trees

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EFA	Visual Screening
EFB	Landscape Integration
EFC	Enhancing the Built Environment
EFD	Nature Conservation and Biodiversity
EFE	Visual Amenity
EFF	Heritage
EFG	Auditory Amenity
EFH	Water Quality
EFJ	Agricultural Highway Boundary
EFK	Access

Landscape Elements (LE):	
LE 1.1	Amenity Grassland
LE 1.3	Species Rich Grassland
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LE 2.6	Shrubs
LE 3.1	Amenity Tree and Shrub Planting
LE 3.2	Ornamental Shrubs
LE 4.3	Native Species Hedgerows
LE 4.4	Native Hedgerows with Trees
LE 5.1	Individual Trees
LE 6.3	Reed Beds
LE 6.4	Marsh and Wet Grassland
LE 7	Hard Landscape

Environmental Elements:	
E1	Auditory Amenity
E1.1	Noise Reducing Surface
E1.2	Noise Barrier-Built Elements
E1.3	Noise Earthworks
E2	Water Quality
E2.1	Water Pollution Control Measures
E3	Nature Conservation and Biodiversity
E3.1	Protected Species
E3.2	Ecological Protection Measures



ISSUE	23/02/16	FINAL ISSUE TO WG	ERM	NJR	PAI
Rev.	Date	Description	By	Chk'd	App'd

Drawing Status: **FOR COSTING**

Project Team: [Empty]

Client:

Project Title		Suitability		Drawing Title	
M4 CORRIDOR AROUND NEWPORT		D1		FIGURE 9.21 - EXISTING VEGETATION & CLEARANCE DRAWINGS SHEET 6 OF 16	
Scale	1:2500	Designed / Drawn	ERM	Checked	NJR
Original Size	A1	Date	10/02/16	Date	10/02/16
Approved	PAI	Approved	PAI	Authorised	KEN
Date	10/02/16	Date	10/02/16	Date	23/02/16
Drawing Number	M4CaN - DJV - ELS - ZG_GEN - DR - EN - 0022	Project	Volume	Revision	AT ISSUE
Location	Type	Role	Number		

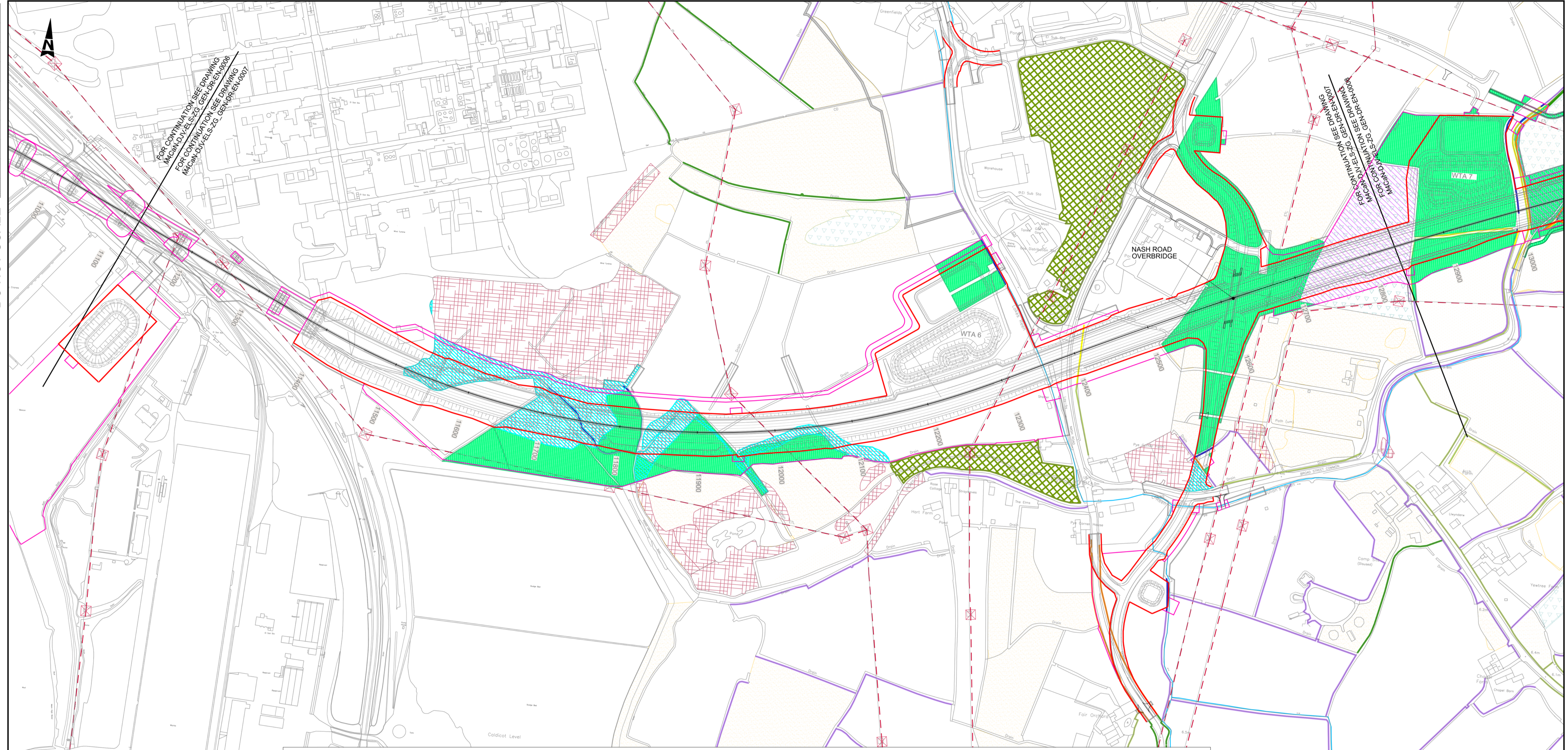
DO NOT SCALE

Millimetres

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FOR CONTINUATION SEE DRAWING M4CaN-DJV-ELS-ZG_GEN-DR-EN-0007
FOR CONTINUATION SEE DRAWING M4CaN-DJV-ELS-ZG_GEN-DR-EN-0007

FOR CONTINUATION SEE DRAWING M4CaN-DJV-ELS-ZG_GEN-DR-EN-0007
FOR CONTINUATION SEE DRAWING M4CaN-DJV-ELS-ZG_GEN-DR-EN-0007

LEGEND

SITE EXTENTS

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- Highway Boundary Fenceline
- Easement Outside of Highways Boundary
- Temporary Works & Access for Construction & Borrow Pits

EXISTING VEGETATION RETAINED

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- LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs Area = 26,076m²
- LE2.8 Scrub Area = 229,245m²
- LE4.2 Hedgerow Length = 12,713m
- LE4.4 Hedgerow with Trees Length = 8,429m
- LE5.1 Individual Trees Area = 5,897m²

EXISTING FEATURES

- LE6.1 Waterbodies & Associated Plants Area = 4,006m²
- LE6.2 Banks & Ditches & LE6.3 Reed Beds Length = 8,887m
- LE6.4 Marsh & Wet Grassland Area = 209,405m²
- Tree Protection Fencing
- TPO's to be removed

EXISTING FEATURES

- Existing Waterways
- Existing Overhead Powerlines & Pylons

Note: TPO designations not available from Monmouthshire County Council at time of issue

Circles used for individual TPO trees do not represent true size of trees

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Environmental Functions (EF):

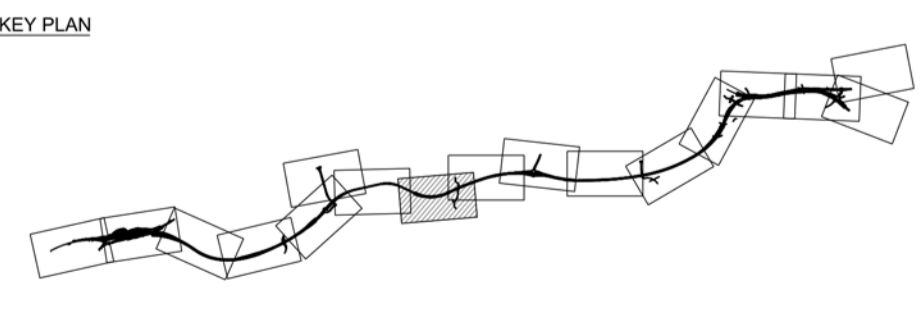
EFA	Visual Screening
EFB	Landscape Integration
EFC	Enhancing the Built Environment
EFD	Nature Conservation and Biodiversity
EFE	Visual Amenity
EFF	Heritage
EFG	Auditory Amenity
EFH	Water Quality
EFJ	Agricultural Highway Boundary
EFK	Access

Landscape Elements (LE):

LE 1.1	Amenity Grassland
LE 1.3	Species Rich Grassland
LE 1.4	Rock and Scree
LE 1.6	Open Grassland
LE 2.1	Woodland
LE 2.4	Linear Belt of Shrubs and Trees
LE 2.5	Shrubs with Intermittent Trees
LE 2.6	Shrubs
LE 3.1	Amenity Tree and Shrub Planting
LE 3.2	Ornamental Shrubs
LE 4.3	Native Species Hedgerows
LE 4.4	Native Hedgerows with Trees
LE 5.1	Individual Trees
LE 6.3	Reed Beds
LE 6.4	Marsh and Wet Grassland
LE 7	Hard Landscape

Environmental Elements:

E1	Auditory Amenity
E1.1	Noise Reducing Surface
E1.2	Noise Barrier-Built Elements
E1.3	Noise Earthworks
E2	Water Quality
E2.1	Water Pollution Control Measures
E3	Nature Conservation and Biodiversity
E3.1	Protected Species
E3.2	Ecological Protection Measures



GENERAL NOTES

- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- ONLY WRITTEN DIMENSIONS SHALL BE USED, DO NOT SCALE.
- DRAWINGS TO BE READ IN CONJUNCTION WITH LANDSCAPE ENVIRONMENTAL MASTERPLANS DRAWINGS 'M4CaN-DJV-ELS-ZG_GEN_DR_EN_0001-0016' AND GENERAL ARRANGEMENT DRAWINGS 'M4CaN-DJV-HGN-ZG_GEN_DR_CH_0001-0016'

ISSUE	23/02/16	FINAL ISSUE TO WG	ERM	NJR	PAI
Rev.	Date	Description	By	Chk'd	App'd

Drawing Status: **FOR COSTING**

Project Title: **M4 CORRIDOR AROUND NEWPORT**

Scale: 1:2500

Original Size: **A1**

Client: **Llywodraeth Cymru Welsh Government**

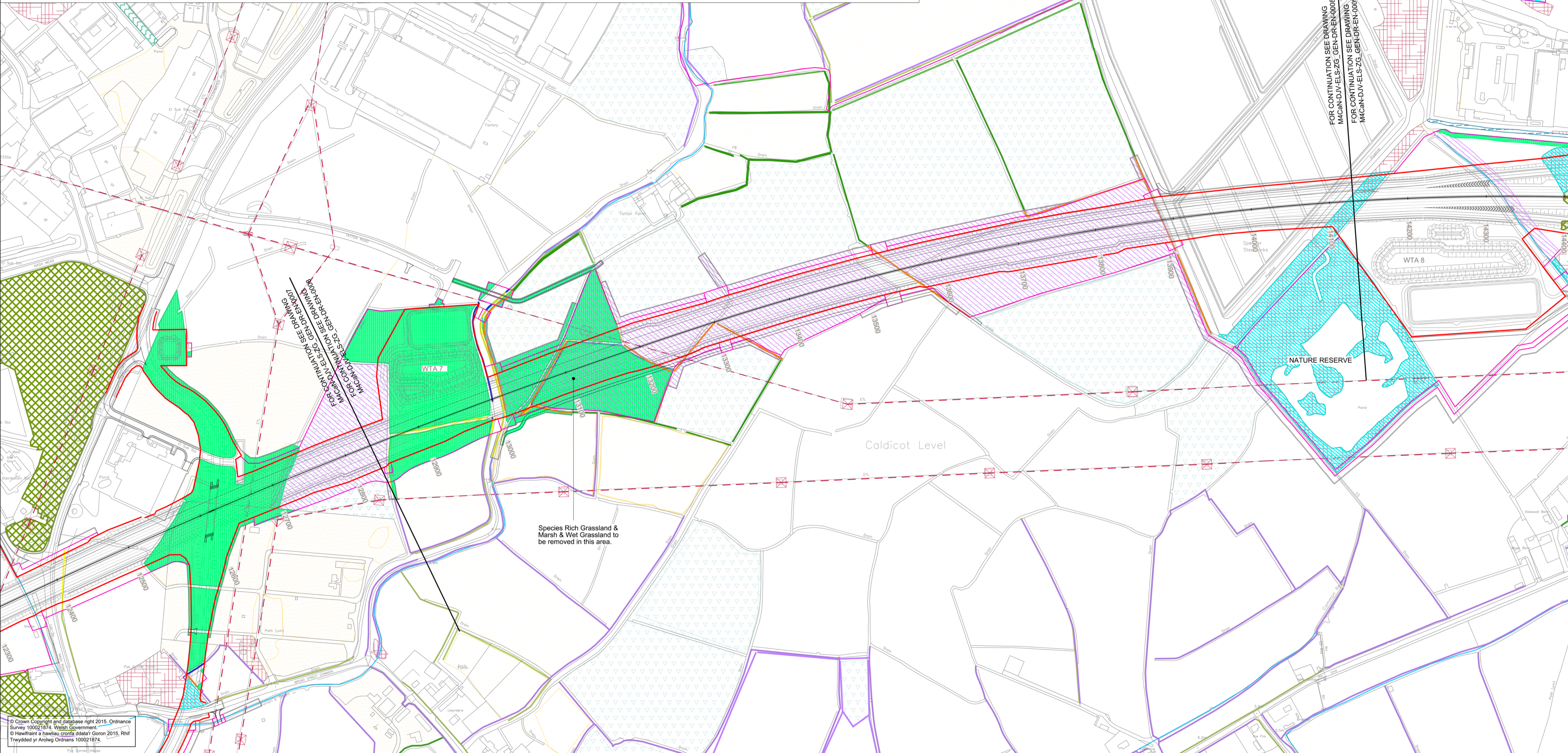
Project Title	M4 CORRIDOR AROUND NEWPORT				
Drawing Title	FIGURE 9.21 - EXISTING VEGETATION & CLEARANCE DRAWINGS SHEET 7 OF 16				
Scale	Designed / Drawn	Checked	Approved	Authorised	
1:2500	ERM	NJR	PAI	KEN	
Original Size	Date	Date	Date	Date	
A1	10/02/16	10/02/16	10/02/16	23/02/16	
Drawing Number	Originator	Volume			
Project	M4CaN - DJV - ELS - ZG_GEN - DR - EN - 0023				
Location	Type	Role	Number		

DO NOT SCALE

Millimetres

LEGEND

SITE EXTENTS	EXISTING VEGETATION RETAINED	EXISTING VEGETATION TO BE REMOVED BETWEEN USK & MAGOR	EXISTING FEATURES
Essential Boundary Fenceline	LE1.3 Species Rich Grassland	LE1.3 Species Rich Grassland Area = 255,998m ²	Existing Waterways
Highway Boundary Fenceline	LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs	LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs Area = 26,076m ²	Existing Overhead Powerlines & Pylons
Easement Outside of Highways Boundary	LE2.8 Scrub	LE2.8 Scrub Area = 229,245m ²	Note: TPO designations not available from Monmouthshire County Council at time of issue
Temporary Works & Access for Construction & Borrow Pits	LE4.2 Hedgerow	LE4.2 Hedgerow Length = 12,713m	Circles used for individual TPO trees do not represent true size of trees
	LE4.4 Hedgerow with Trees	LE4.4 Hedgerow with Trees Length = 8,429m	
	LE5.1 Individual Trees	LE5.1 Individual Trees Area = 5,897m ²	
		LE6.1 Waterbodies & Associated Plants Area = 4,006m ²	
		LE6.2 Banks & Ditches & LE6.3 Reed Beds Length = 8,887m	
		LE6.4 Marsh & Wet Grassland Area = 209,405m ²	
		Tree Protection Fencing	
		TPO's to be removed	



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Environmental Functions (EF):

EFA	Visual Screening
EFB	Landscape Integration
EFC	Enhancing the Built Environment
EFD	Nature Conservation and Biodiversity
EFE	Visual Amenity
EFF	Heritage
EFG	Auditory Amenity
EFH	Water Quality
EFJ	Agricultural Highway Boundary
EFK	Access

Landscape Elements (LE):

LE 1.1	Amenity Grassland
LE 1.3	Species Rich Grassland
LE 1.4	Rock and Scree
LE 1.6	Open Grassland
LE 2.1	Woodland
LE 2.4	Linear Belt of Shrubs and Trees
LE 2.5	Shrubs with Intermittent Trees
LE 2.6	Shrubs
LE 3.1	Amenity Tree and Shrub Planting
LE 3.2	Ornamental Shrubs
LE 4.3	Native Species Hedgerows
LE 4.4	Native Hedgerows with Trees
LE 5.1	Individual Trees
LE 6.3	Reed Beds
LE 6.4	Marsh and Wet Grassland
LE 7	Hard Landscape

Environmental Elements:

E1	Auditory Amenity
E1.1	Noise Reducing Surface
E1.2	Noise Barrier-Built Elements
E1.3	Noise Earthworks
E2	Water Quality
E2.1	Water Pollution Control Measures
E3	Nature Conservation and Biodiversity
E3.1	Protected Species
E3.2	Ecological Protection Measures

KEY PLAN

GENERAL NOTES

- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- ONLY WRITTEN DIMENSIONS SHALL BE USED, DO NOT SCALE.
- DRAWINGS TO BE READ IN CONJUNCTION WITH LANDSCAPE ENVIRONMENTAL MASTERPLANS DRAWINGS 'M4CaN-DJV-ELS-ZG_GEN_DR_EN_0001-0016' AND GENERAL ARRANGEMENT DRAWINGS 'M4CaN-DJV-HGN-ZG_GEN_DR_CH_0001-0016'

ISSUE	23/02/16	FINAL ISSUE TO WG	ERM	NJR	PAI
Rev.	Date	Description	By	Ch'kd	App'd

Drawing Status: **FOR COSTING**

Project Team:

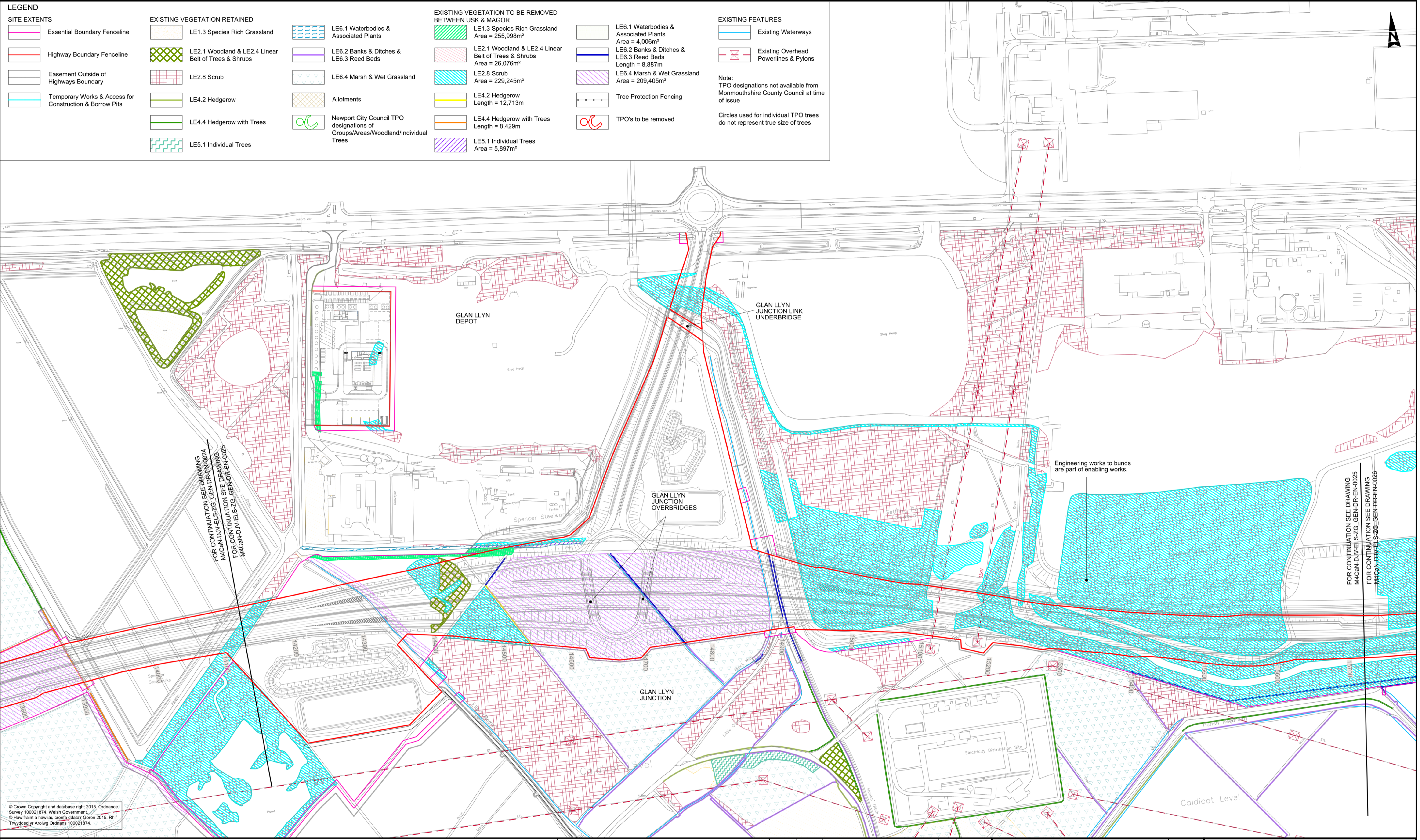
Client: Llywodraeth Cymru Welsh Government

Drawing Title		M4 CORRIDOR AROUND NEWPORT			
Project Title		M4CaN - DJV - ELS - ZG_GEN - DR - EN - 0024			
Scale	1:2500	Designed / Drawn	Checked	Approved	Authorised
Original Size	A1	ERM	NJR	PAI	KEN
Date	10/02/16	Date	10/02/16	Date	23/02/16
Drawing Number	Project	Originator	Volume	Revision	
				AT ISSUE	

DO NOT SCALE

Millimetres

0 10



- LEGEND**
- SITE EXTENTS**
- Essential Boundary Fenceline
 - Highway Boundary Fenceline
 - Easement Outside of Highways Boundary
 - Temporary Works & Access for Construction & Borrow Pits

- EXISTING VEGETATION RETAINED**
- LE1.3 Species Rich Grassland
 - LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs
 - LE2.8 Scrub
 - LE4.2 Hedgerow
 - LE4.4 Hedgerow with Trees
 - LE5.1 Individual Trees

- EXISTING VEGETATION TO BE REMOVED BETWEEN USK & MAGOR**
- LE1.3 Species Rich Grassland Area = 255,998m²
 - LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs Area = 26,076m²
 - LE2.8 Scrub Area = 229,245m²
 - LE4.2 Hedgerow Length = 12,713m
 - LE4.4 Hedgerow with Trees Length = 8,429m
 - LE5.1 Individual Trees Area = 5,897m²

- EXISTING VEGETATION TO BE REMOVED BETWEEN USK & MAGOR**
- LE1.3 Species Rich Grassland Area = 255,998m²
 - LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs Area = 26,076m²
 - LE2.8 Scrub Area = 229,245m²
 - LE4.2 Hedgerow Length = 12,713m
 - LE4.4 Hedgerow with Trees Length = 8,429m
 - LE5.1 Individual Trees Area = 5,897m²

- EXISTING FEATURES**
- Existing Waterways
 - Existing Overhead Powerlines & Pylons
 - TPO's to be removed

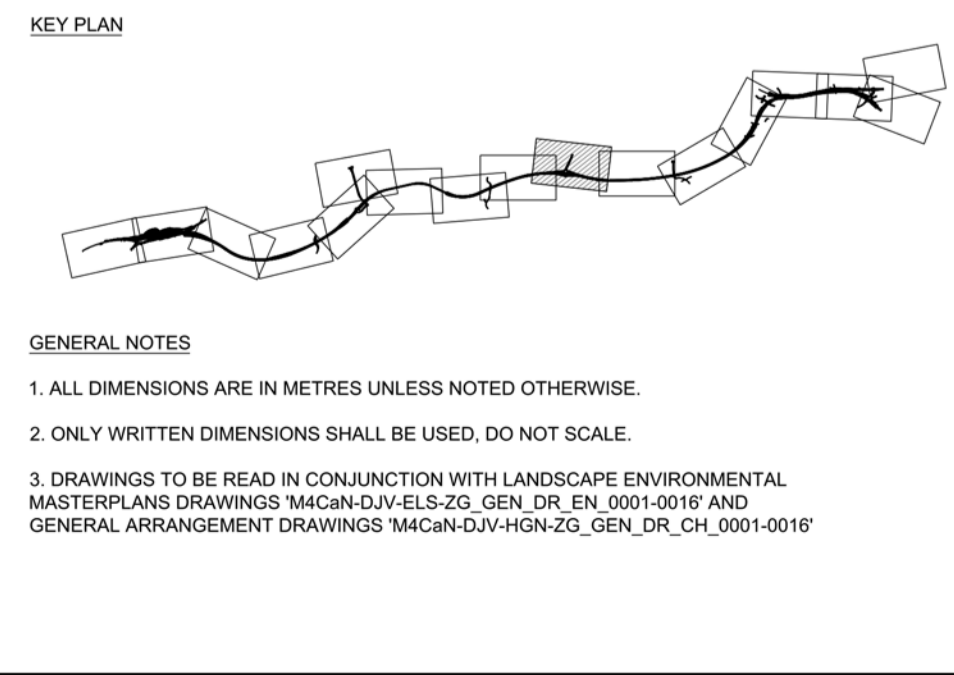
- EXISTING FEATURES**
- Existing Waterways
 - Existing Overhead Powerlines & Pylons
 - TPO's to be removed
- Note:
TPO designations not available from Monmouthshire County Council at time of issue
- Circles used for individual TPO trees do not represent true size of trees

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- Environmental Functions (EF):**
- EFA Visual Screening
 - EFB Landscape Integration
 - EFC Enhancing the Built Environment
 - EFD Nature Conservation and Biodiversity
 - EFE Visual Amenity
 - EFF Heritage
 - EFG Auditory Amenity
 - EFH Water Quality
 - EFJ Agricultural Highway Boundary
 - EFK Access

- Landscape Elements (LE):**
- LE 1.1 Amenity Grassland
 - LE 1.3 Species Rich Grassland
 - LE 1.4 Rock and Scree
 - LE 1.6 Open Grassland
 - LE 2.1 Woodland
 - LE 2.4 Linear Belt of Shrubs and Trees
 - LE 2.5 Shrubs with Intermittent Trees
 - LE 2.6 Shrubs
 - LE 3.1 Amenity Tree and Shrub Planting
 - LE 3.2 Ornamental Shrubs
 - LE 4.3 Native Species Hedgerows
 - LE 4.4 Native Hedgerows with Trees
 - LE 5.1 Individual Trees
 - LE 6.3 Reed Beds
 - LE 6.4 Marsh and Wet Grassland
 - LE 7 Hard Landscape

- Environmental Elements:**
- E1 Auditory Amenity
 - E1.1 Noise Reducing Surface
 - E1.2 Noise Barrier-Built Elements
 - E1.3 Noise Earthworks
 - E2 Water Quality
 - E2.1 Water Pollution Control Measures
 - E3 Nature Conservation and Biodiversity
 - E3.1 Protected Species
 - E3.2 Ecological Protection Measures



ISSUE	23/02/16	FINAL ISSUE TO WG	ERM	NJR	PAI
Rev.	Date	Description	By	Chk'd	App'd

Drawing Status			FOR COSTING		
Project Team			Sustainability		
Client			D1		

FOR COSTING

D1

M4 CORRIDOR AROUND NEWPORT

FIGURE 9.21 - EXISTING VEGETATION & CLEARANCE DRAWINGS SHEET 9 OF 16

Scale	1:2500	Designed / Drawn	ERM	Checked	NJR	Approved	PAI	Authorised	KEN
Original Size	A1	Date	10/02/16	Date	10/02/16	Date	10/02/16	Date	23/02/16

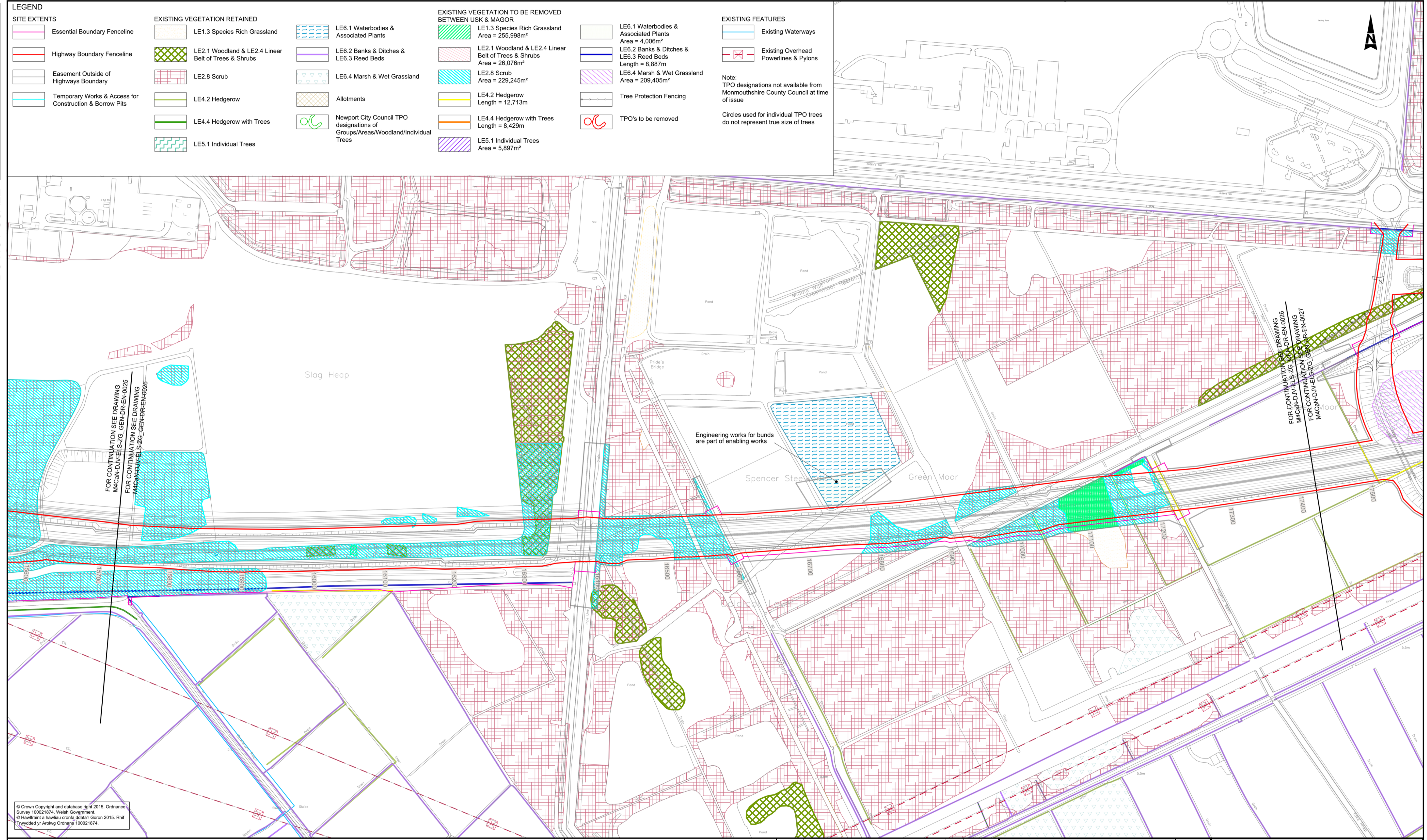
Llywodraeth Cymru Welsh Government

Project	M4CaN - DJV - ELS - ZG_GEN - DR - EN - 0025	Originator	Volume	Revision	AT ISSUE
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DO NOT SCALE

Millimetres

0 10 100



LEGEND

SITE EXTENTS

- Essential Boundary Fenceline
- Highway Boundary Fenceline
- Easement Outside of Highways Boundary
- Temporary Works & Access for Construction & Borrow Pits

EXISTING VEGETATION RETAINED

- LE1.3 Species Rich Grassland
- LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs
- LE2.8 Scrub
- LE4.2 Hedgerow
- LE4.4 Hedgerow with Trees
- LE5.1 Individual Trees

EXISTING VEGETATION TO BE REMOVED BETWEEN USK & MAGOR

- LE6.1 Waterbodies & Associated Plants
- LE6.2 Banks & Ditches & LE6.3 Reed Beds
- LE6.4 Marsh & Wet Grassland
- Allotments
- Newport City Council TPO designations of Groups/Areas/Woodland/Individual Trees

EXISTING VEGETATION TO BE REMOVED BETWEEN USK & MAGOR

- LE1.3 Species Rich Grassland Area = 255,998m²
- LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs Area = 26,076m²
- LE2.8 Scrub Area = 29,245m²
- LE4.2 Hedgerow Length = 12,713m
- LE4.4 Hedgerow with Trees Length = 8,429m
- LE5.1 Individual Trees Area = 5,897m²

EXISTING FEATURES

- Existing Waterways
- Existing Overhead Powerlines & Pylons
- Tree Protection Fencing
- TPO's to be removed

EXISTING FEATURES

Existing Waterways

Existing Overhead Powerlines & Pylons

Note: TPO designations not available from Monmouthshire County Council at time of issue

Circles used for individual TPO trees do not represent true size of trees

FOR CONTINUATION SEE DRAWING M4CaN-DJV-ELS-ZG_GEN-DR-EN-0025

FOR CONTINUATION SEE DRAWING M4CaN-DJV-ELS-ZG_GEN-DR-EN-0026

FOR CONTINUATION SEE DRAWING M4CaN-DJV-ELS-ZG_GEN-DR-EN-0026

FOR CONTINUATION SEE DRAWING M4CaN-DJV-ELS-ZG_GEN-DR-EN-0027

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Environmental Functions (EF):

- EFA Visual Screening
- EFB Landscape Integration
- EFC Enhancing the Built Environment
- EFD Nature Conservation and Biodiversity
- EFE Visual Amenity
- EFF Heritage
- EFG Auditory Amenity
- EFH Water Quality
- EFJ Agricultural Highway Boundary
- EFK Access

Landscape Elements (LE):

- LE 1.1 Amenity Grassland
- LE 1.3 Species Rich Grassland
- LE 1.4 Rock and Scree
- LE 1.6 Open Grassland
- LE 2.1 Woodland
- LE 2.4 Linear Belt of Shrubs and Trees
- LE 2.5 Shrubs with Intermittent Trees
- LE 2.6 Shrubs
- LE 3.1 Amenity Tree and Shrub Planting
- LE 3.2 Ornamental Shrubs
- LE 4.3 Native Species Hedgerows
- LE 4.4 Native Hedgerows with Trees
- LE 5.1 Individual Trees
- LE 6.3 Reed Beds
- LE 6.4 Marsh and Wet Grassland
- LE 7 Hard Landscape

Environmental Elements:

- E1 Auditory Amenity
- E1.1 Noise Reducing Surface
- E1.2 Noise Barrier-Built Elements
- E1.3 Noise Earthworks
- E2 Water Quality
- E2.1 Water Pollution Control Measures
- E3 Nature Conservation and Biodiversity
- E3.1 Protected Species
- E3.2 Ecological Protection Measures

KEY PLAN

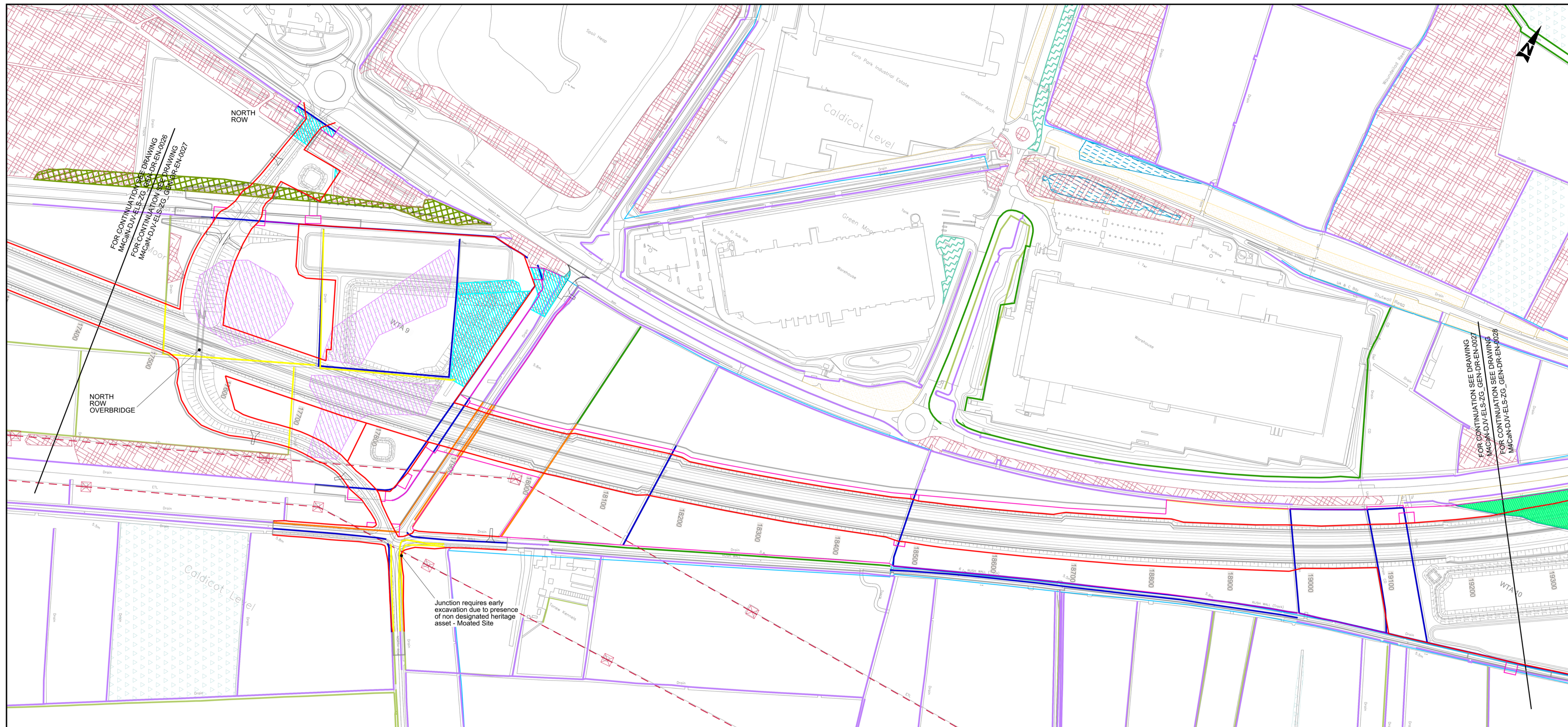
GENERAL NOTES

- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- ONLY WRITTEN DIMENSIONS SHALL BE USED, DO NOT SCALE.
- DRAWINGS TO BE READ IN CONJUNCTION WITH LANDSCAPE ENVIRONMENTAL MASTERPLANS DRAWINGS 'M4CaN-DJV-ELS-ZG_GEN_DR_EN_0001-0016' AND GENERAL ARRANGEMENT DRAWINGS 'M4CaN-DJV-HGN-ZG_GEN_DR_CH_0001-0016'

ISSUE	23/02/16	FINAL ISSUE TO WG	ERM	NJR	PAI
Rev.	Date	Description	By	Ch'kd	App'd

Drawing Status	FOR COSTING	Suitability	D1
Project Team			
Client	 Llywodraeth Cymru Welsh Government		

Project Title		M4 CORRIDOR AROUND NEWPORT			
Drawing Title		FIGURE 9.21 - EXISTING VEGETATION & CLEARANCE DRAWINGS SHEET 10 OF 16			
Scale	1:2500	Designed / Drawn	Checked	Approved	Authorised
Original Size	A1	ERM	NJR	PAI	KEN
Date	10/02/16	Date	10/02/16	Date	23/02/16
Drawing Number	Project		Originator	Volume	Revision
	M4CaN - DJV - ELS - ZG_GEN - DR - EN - 0026				AT ISSUE
Location	Type	Role	Number		



Junction requires early excavation due to presence of non designated heritage asset - Moated Site

LEGEND

<p>SITE EXTENTS</p> <ul style="list-style-type: none"> Essential Boundary Fenceline Highway Boundary Fenceline Easement Outside of Highways Boundary Temporary Works & Access for Construction & Borrow Pits 	<p>EXISTING VEGETATION RETAINED</p> <ul style="list-style-type: none"> LE1.3 Species Rich Grassland LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs LE2.8 Scrub LE4.2 Hedgerow LE4.4 Hedgerow with Trees LE5.1 Individual Trees 	<p>EXISTING VEGETATION TO BE REMOVED BETWEEN USK & MAGOR</p> <ul style="list-style-type: none"> LE1.3 Species Rich Grassland Area = 255,998m² LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs Area = 26,076m² LE2.8 Scrub Area = 229,245m² LE4.2 Hedgerow Length = 12,713m LE4.4 Hedgerow with Trees Length = 8,429m LE5.1 Individual Trees Area = 5,897m² 	<p>EXISTING FEATURES</p> <ul style="list-style-type: none"> Existing Waterways Existing Overhead Powerlines & Pylons LE6.1 Waterbodies & Associated Plants Area = 4,006m² LE6.2 Banks & Ditches & LE6.3 Reed Beds Length = 9,887m LE6.4 Marsh & Wet Grassland Area = 209,405m² Tree Protection Fencing TPO's to be removed
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Environmental Functions (EF):

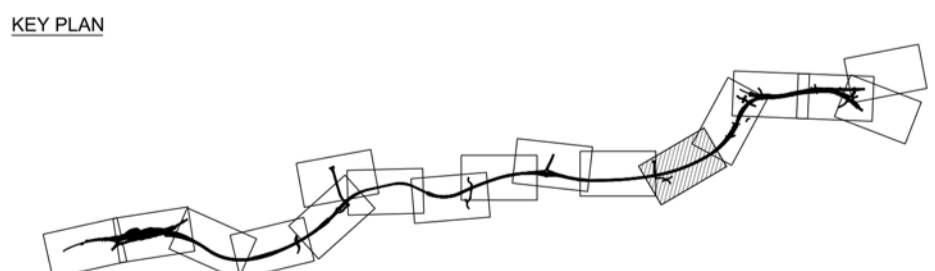
EFA	Visual Screening
EFB	Landscape Integration
EFC	Enhancing the Built Environment
EFD	Nature Conservation and Biodiversity
EFE	Visual Amenity
EFF	Heritage
EFG	Auditory Amenity
EFH	Water Quality
EFJ	Agricultural Highway Boundary
EFK	Access

Landscape Elements (LE):

LE 1.1	Amenity Grassland
LE 1.3	Species Rich Grassland
LE 1.4	Rock and Scree
LE 1.6	Open Grassland
LE 2.1	Woodland
LE 2.4	Linear Belt of Shrubs and Trees
LE 2.5	Shrubs with Intermittent Trees
LE 2.6	Shrubs
LE 3.1	Amenity Tree and Shrub Planting
LE 3.2	Ornamental Shrubs
LE 4.3	Native Species Hedgerows
LE 4.4	Native Hedgerows with Trees
LE 5.1	Individual Trees
LE 6.3	Reed Beds
LE 6.4	Marsh and Wet Grassland
LE 7	Hard Landscape

Environmental Elements:

E1	Auditory Amenity
E1.1	Noise Reducing Surface
E1.2	Noise Barrier-Built Elements
E1.3	Noise Earthworks
E2	Water Quality
E2.1	Water Pollution Control Measures
E3	Nature Conservation and Biodiversity
E3.1	Protected Species
E3.2	Ecological Protection Measures



GENERAL NOTES

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- ONLY WRITTEN DIMENSIONS SHALL BE USED, DO NOT SCALE.
- DRAWINGS TO BE READ IN CONJUNCTION WITH LANDSCAPE ENVIRONMENTAL MASTERPLANS DRAWINGS 'M4CaN-DJV-ELS-ZG_GEN_DR_EN_0001-0016' AND GENERAL ARRANGEMENT DRAWINGS 'M4CaN-DJV-HGN-ZG_GEN_DR_CH_0001-0016'

ISSUE	23/02/16	FINAL ISSUE TO WG	ERM	NJR	PAI
Rev.	Date	Description	By	Chk'd	App'd

FOR COSTING

Project Team

Client

Project Title					M4 CORRIDOR AROUND NEWPORT				
Drawing Title					FIGURE 9.21 - EXISTING VEGETATION & CLEARANCE DRAWINGS SHEET 11 OF 16				
Scale	Designed / Drawn	Checked	Approved	Authorised					
1:2500	ERM	NJR	PAI	KEN					
Original Size	Date	Date	Date	Date					
A1	10/02/16	10/02/16	10/02/16	23/02/16					
Drawing Number	Project	Originator	Volume	Revision					
	M4CaN - DJV - ELS - ZG_GEN - DR - EN - 0027			AT ISSUE					
Location	Type	Role	Number						

DO NOT SCALE

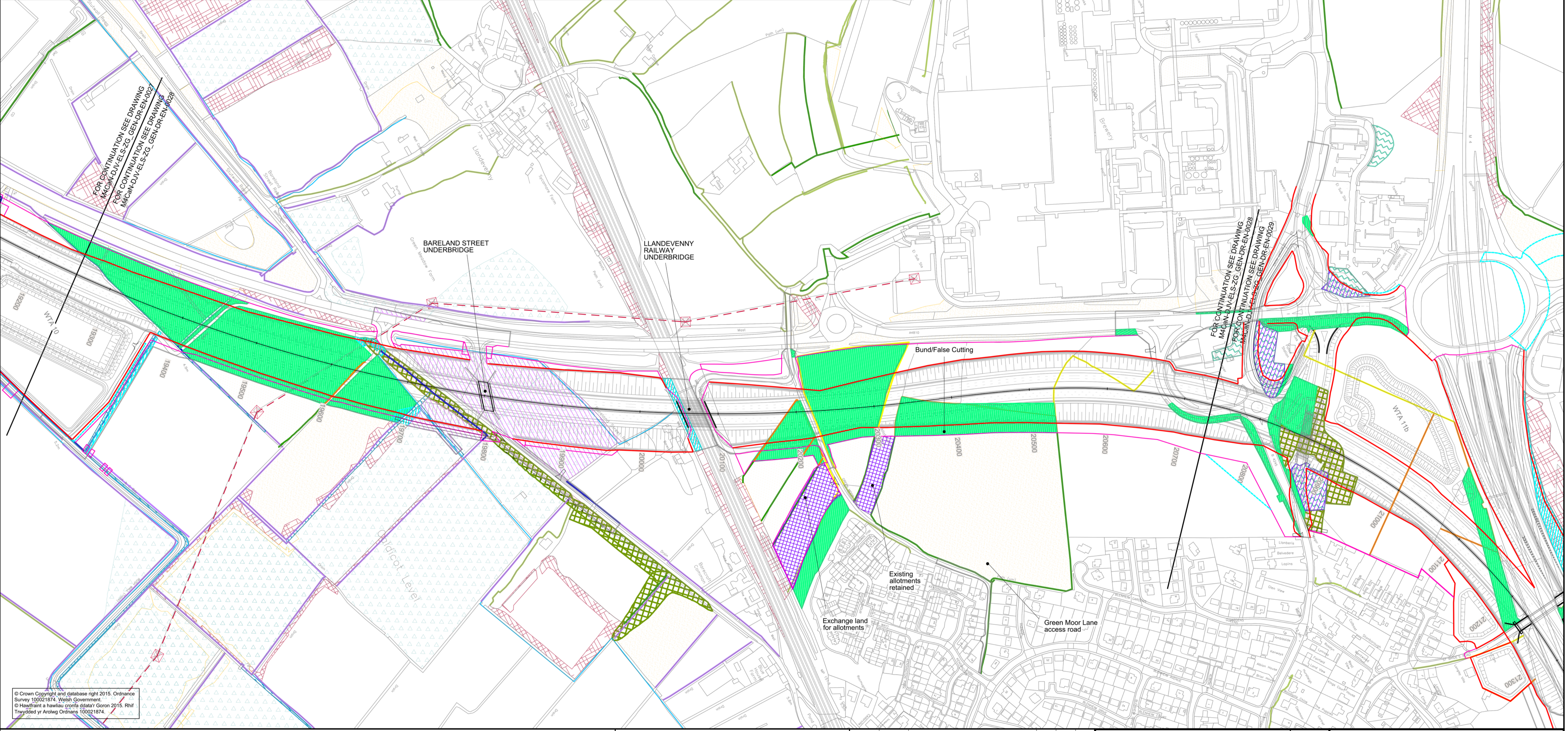
Millimetres

0 10

100

LEGEND

SITE EXTENTS	EXISTING VEGETATION RETAINED	EXISTING VEGETATION TO BE REMOVED BETWEEN USK & MAGOR	EXISTING FEATURES
Essential Boundary Fenceline	LE1.3 Species Rich Grassland	LE1.3 Species Rich Grassland Area = 255,998m ²	Existing Waterways
Highway Boundary Fenceline	LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs	LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs Area = 26,076m ²	Existing Overhead Powerlines & Pylons
Easement Outside of Highways Boundary	LE2.8 Scrub	LE2.8 Scrub Area = 229,245m ²	Note: TPO designations not available from Monmouthshire County Council at time of issue
Temporary Works & Access for Construction & Borrow Pits	LE4.2 Hedgerow	LE4.2 Hedgerow Length = 12,713m	Circles used for individual TPO trees do not represent true size of trees
	LE4.4 Hedgerow with Trees	LE4.4 Hedgerow with Trees Length = 8,429m	
	LE5.1 Individual Trees	LE5.1 Individual Trees Area = 5,897m ²	
	LE6.1 Waterbodies & Associated Plants	LE6.1 Waterbodies & Associated Plants Area = 4,006m ²	
	LE6.2 Banks & Ditches & LE6.3 Reed Beds	LE6.2 Banks & Ditches & LE6.3 Reed Beds Length = 8,887m	
	LE6.4 Marsh & Wet Grassland	LE6.4 Marsh & Wet Grassland Area = 209,405m ²	
	Allotments	Tree Protection Fencing	
	Newport City Council TPO designations of Groups/Areas/Woodland/Individual Trees	TPO's to be removed	



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Environmental Functions (EF):

- EFA Visual Screening
- EFB Landscape Integration
- EFC Enhancing the Built Environment
- EFD Nature Conservation and Biodiversity
- EFE Visual Amenity
- EFF Heritage
- EFG Auditory Amenity
- EFH Water Quality
- EFJ Agricultural Highway Boundary
- EFK Access

Landscape Elements (LE):

- LE 1.1 Amenity Grassland
- LE 1.3 Species Rich Grassland
- LE 1.4 Rock and Scree
- LE 1.6 Open Grassland
- LE 2.1 Woodland
- LE 2.4 Linear Belt of Shrubs and Trees
- LE 2.5 Shrubs with Intermittent Trees
- LE 2.6 Shrubs
- LE 3.1 Amenity Tree and Shrub Planting
- LE 3.2 Ornamental Shrubs
- LE 4.3 Native Species Hedgerows
- LE 4.4 Native Hedgerows with Trees
- LE 5.1 Individual Trees
- LE 6.3 Reed Beds
- LE 6.4 Marsh and Wet Grassland
- LE 7 Hard Landscape

Environmental Elements:

- E1 Auditory Amenity
- E1.1 Noise Reducing Surface
- E1.2 Noise Barrier-Built Elements
- E1.3 Noise Earthworks
- E2 Water Quality
- E2.1 Water Pollution Control Measures
- E3 Nature Conservation and Biodiversity
- E3.1 Protected Species
- E3.2 Ecological Protection Measures

KEY PLAN

GENERAL NOTES

- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- ONLY WRITTEN DIMENSIONS SHALL BE USED, DO NOT SCALE.
- DRAWINGS TO BE READ IN CONJUNCTION WITH LANDSCAPE ENVIRONMENTAL MASTERPLANS DRAWINGS 'M4CaN-DJV-ELS-ZG_GEN_DR_EN_0001-0016' AND GENERAL ARRANGEMENT DRAWINGS 'M4CaN-DJV-HGN-ZG_GEN_DR_CH_0001-0016'

ISSUE	23/02/16	FINAL ISSUE TO WG	ERM	NJR	PAI
Rev.	Date	Description	By	Chk'd	App'd

Drawing Status: **FOR COSTING**

Suitability: **D1**

Project Title: **M4 CORRIDOR AROUND NEWPORT**

Project Team:

Client:

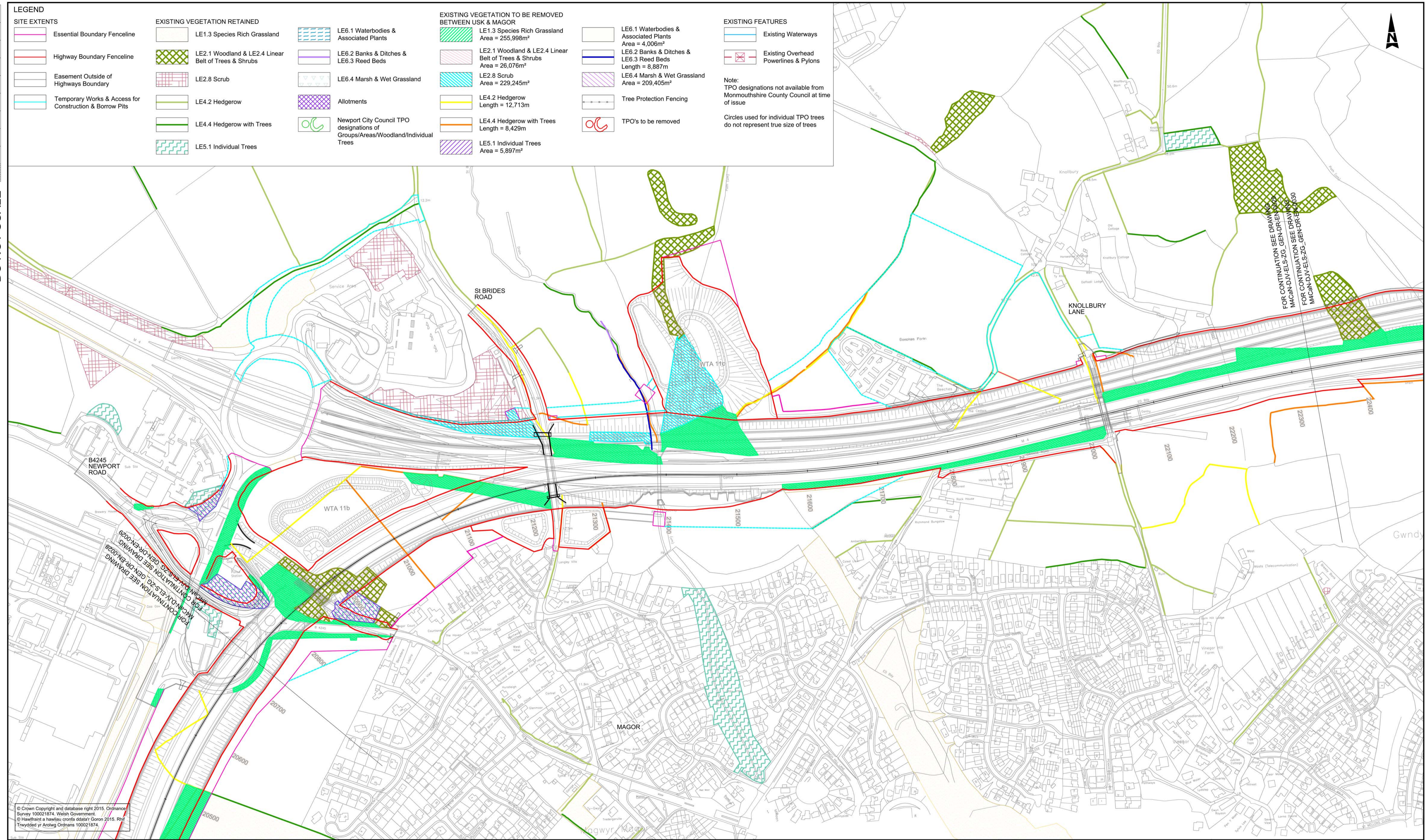
FIGURE 9.21 - EXISTING VEGETATION & CLEARANCE DRAWINGS SHEET 12 OF 16

Scale	Designed / Drawn	Checked	Approved	Authorised
1:2500	ERM	NJR	PAI	KEN
Original Size	Date	Date	Date	Date
A1	10/02/16	10/02/16	10/02/16	23/02/16
Drawing Number	Project	Originator	Volume	Revision
	M4CaN - DJV - ELS - ZG_GEN - DR - EN - 0028			AT ISSUE

DO NOT SCALE

Millimetres

0 10 100



LEGEND		EXISTING VEGETATION TO BE REMOVED BETWEEN USK & MAGOR		EXISTING FEATURES	
Essential Boundary Fenceline	LE1.3 Species Rich Grassland	LE6.1 Waterbodies & Associated Plants	LE1.3 Species Rich Grassland Area = 255,998m ²	Existing Waterways	Note: TPO designations not available from Monmouthshire County Council at time of issue Circles used for individual TPO trees do not represent true size of trees
Highway Boundary Fenceline	LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs	LE6.2 Banks & Ditches & LE6.3 Reed Beds	LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs Area = 26,076m ²	Existing Overhead Powerlines & Pylons	
Easement Outside of Highways Boundary	LE2.8 Scrub	LE6.4 Marsh & Wet Grassland	LE2.8 Scrub Area = 229,245m ²	Tree Protection Fencing	
Temporary Works & Access for Construction & Borrow Pits	LE4.2 Hedgerow	Allotments	LE4.2 Hedgerow Length = 12,713m	TPO's to be removed	
	LE4.4 Hedgerow with Trees	Newport City Council TPO designations of Groups/Areas/Woodland/Individual Trees	LE4.4 Hedgerow with Trees Length = 8,429m		
	LE5.1 Individual Trees		LE5.1 Individual Trees Area = 5,897m ²		

Environmental Functions (EF):	Landscape Elements (LE):	Environmental Elements:
EFA Visual Screening	LE 1.1 Amenity Grassland	E1 Auditory Amenity
EFB Landscape Integration	LE 1.3 Species Rich Grassland	E1.1 Noise Reducing Surface
EFC Enhancing the Built Environment	LE 1.4 Rock and Scree	E1.2 Noise Barrier-Built Elements
EFD Nature Conservation and Biodiversity	LE 1.6 Open Grassland	E1.3 Noise Earthworks
EFE Visual Amenity	LE 2.1 Woodland	E2 Water Quality
EFF Heritage	LE 2.4 Linear Belt of Shrubs and Trees	E2.1 Water Pollution Control Measures
EFG Auditory Amenity	LE 2.5 Shrubs with Intermittent Trees	E3 Nature Conservation and Biodiversity
EFH Water Quality	LE 2.6 Shrubs	E3.1 Protected Species
EFJ Agricultural Highway Boundary	LE 3.1 Amenity Tree and Shrub Planting	E3.2 Ecological Protection Measures
EFK Access	LE 3.2 Ornamental Shrubs	
	LE 4.3 Native Species Hedgerows	
	LE 4.4 Native Hedgerows with Trees	
	LE 5.1 Individual Trees	
	LE 6.3 Reed Beds	
	LE 6.4 Marsh and Wet Grassland	
	LE 7 Hard Landscape	

KEY PLAN	GENERAL NOTES
	1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE. 2. ONLY WRITTEN DIMENSIONS SHALL BE USED, DO NOT SCALE. 3. DRAWINGS TO BE READ IN CONJUNCTION WITH LANDSCAPE ENVIRONMENTAL MASTERPLANS DRAWINGS 'M4CaN-DJV-ELS-ZG_GEN_DR_EN_0001-0016' AND GENERAL ARRANGEMENT DRAWINGS 'M4CaN-DJV-HGN-ZG_GEN_DR_CH_0001-0016'

ISSUE	Rev.	Date	Description	By	Chkd	App'd
FINAL ISSUE TO WG		23/02/16				

Project Team	Client

Scale	Designed / Drawn	Checked	Approved	Authorised
1:2500	ERM	NJR	PAI	KEN

Original Size	Date	Date	Date	Date
A1	10/02/16	10/02/16	10/02/16	23/02/16

Project	Originator	Volume	Revision
M4CaN - DJV - ELS - ZG_GEN - DR - EN - 0029			AT ISSUE



FOR COSTING

D1

M4 CORRIDOR AROUND NEWPORT

FIGURE 9.21 - EXISTING VEGETATION & CLEARANCE DRAWINGS SHEET 13 OF 16

AT ISSUE

DO NOT SCALE

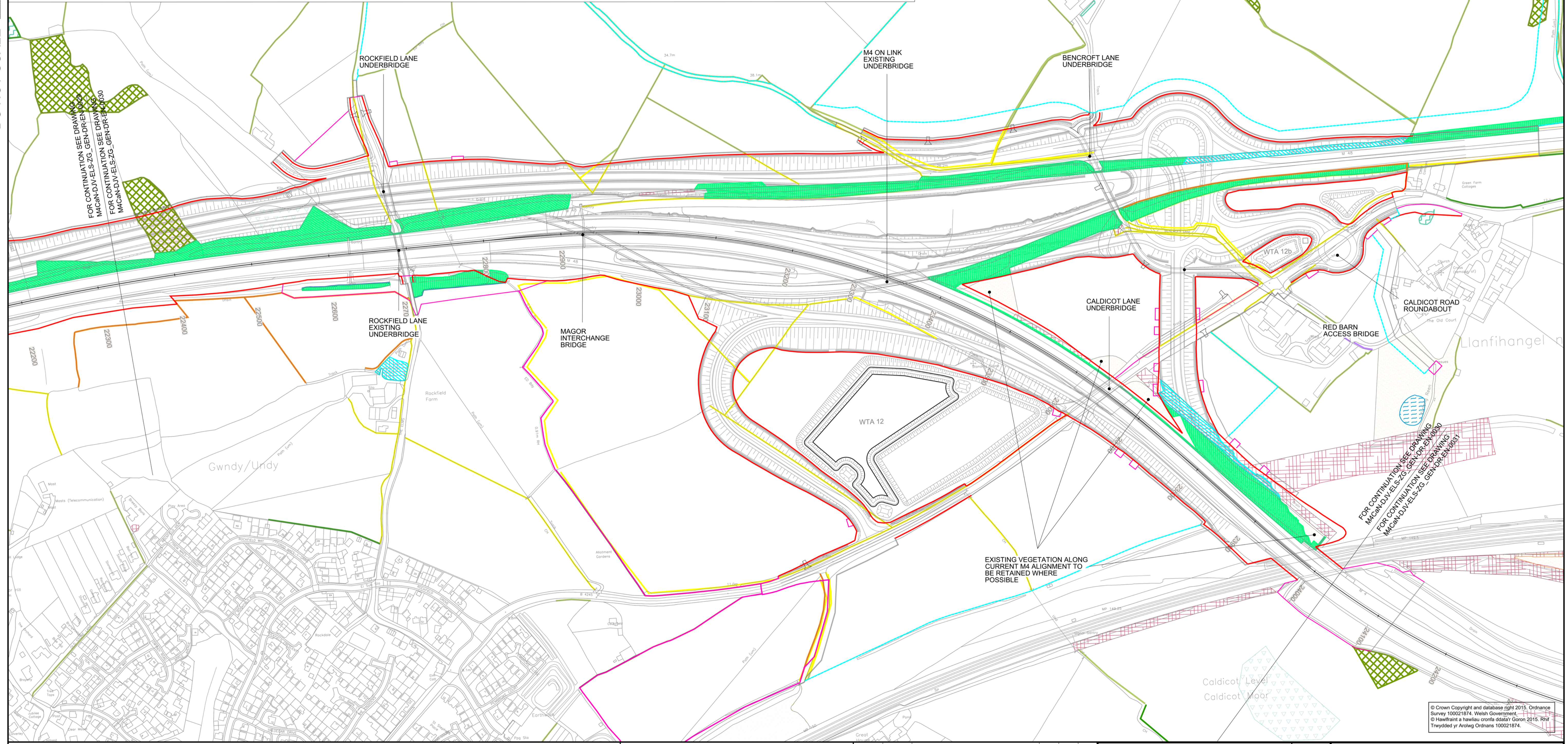
Millimetres

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LEGEND		EXISTING VEGETATION TO BE REMOVED BETWEEN USK & MAGOR		EXISTING FEATURES	
Essential Boundary Fenceline	LE1.3 Species Rich Grassland	LE1.3 Species Rich Grassland Area = 255,998m ²	LE6.1 Waterbodies & Associated Plants Area = 4,006m ²	Existing Waterways	Note: TPO designations not available from Monmouthshire County Council at time of issue Circles used for individual TPO trees do not represent true size of trees
Highway Boundary Fenceline	LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs	LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs Area = 26,076m ²	LE6.2 Banks & Ditches & LE6.3 Reed Beds Length = 8,887m	Existing Overhead Powerlines & Pylons	
Easement Outside of Highways Boundary	LE2.8 Scrub	LE2.8 Scrub Area = 229,245m ²	LE6.4 Marsh & Wet Grassland Area = 209,405m ²	Tree Protection Fencing	
Temporary Works & Access for Construction & Borrow Pits	LE4.2 Hedgerow	LE4.2 Hedgerow Length = 12,713m	LE4.4 Hedgerow with Trees Length = 8,429m	TPO's to be removed	
	LE4.4 Hedgerow with Trees		LE5.1 Individual Trees Area = 5,897m ²		
	LE5.1 Individual Trees				



Environmental Functions (EF):	Landscape Elements (LE):	Environmental Elements:	KEY PLAN
EFA Visual Screening	LE 1.1 Amenity Grassland	E1 Auditory Amenity	
EFB Landscape Integration	LE 1.3 Species Rich Grassland	E1.1 Noise Reducing Surface	
EFC Enhancing the Built Environment	LE 1.4 Rock and Scree	E1.2 Noise Barrier-Built Elements	
EFD Nature Conservation and Biodiversity	LE 1.6 Open Grassland	E1.3 Noise Earthworks	
EFE Visual Amenity	LE 2.1 Woodland	E2 Water Quality	
EFF Heritage	LE 2.4 Linear Belt of Shrubs and Trees	E2.1 Water Pollution Control Measures	
EFG Auditory Amenity	LE 2.5 Shrubs with Intermittent Trees	E3 Nature Conservation and Biodiversity	
EFH Water Quality	LE 2.6 Shrubs	E3.1 Protected Species	
EFJ Agricultural Highway Boundary	LE 3.1 Amenity Tree and Shrub Planting	E3.2 Ecological Protection Measures	
EFK Access	LE 3.2 Ornamental Shrubs		
	LE 4.3 Native Species Hedgerows		
	LE 4.4 Native Hedgerows with Trees		
	LE 5.1 Individual Trees		
	LE 6.3 Reed Beds		
	LE 6.4 Marsh and Wet Grassland		
	LE 7 Hard Landscape		

GENERAL NOTES			
1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.			
2. ONLY WRITTEN DIMENSIONS SHALL BE USED, DO NOT SCALE.			
3. DRAWINGS TO BE READ IN CONJUNCTION WITH LANDSCAPE ENVIRONMENTAL MASTERPLANS DRAWINGS 'M4CaN-DJV-ELS-ZG_GEN_DR_EN_0001-0016' AND GENERAL ARRANGEMENT DRAWINGS 'M4CaN-DJV-HGN-ZG_GEN_DR_CH_0001-0016'			

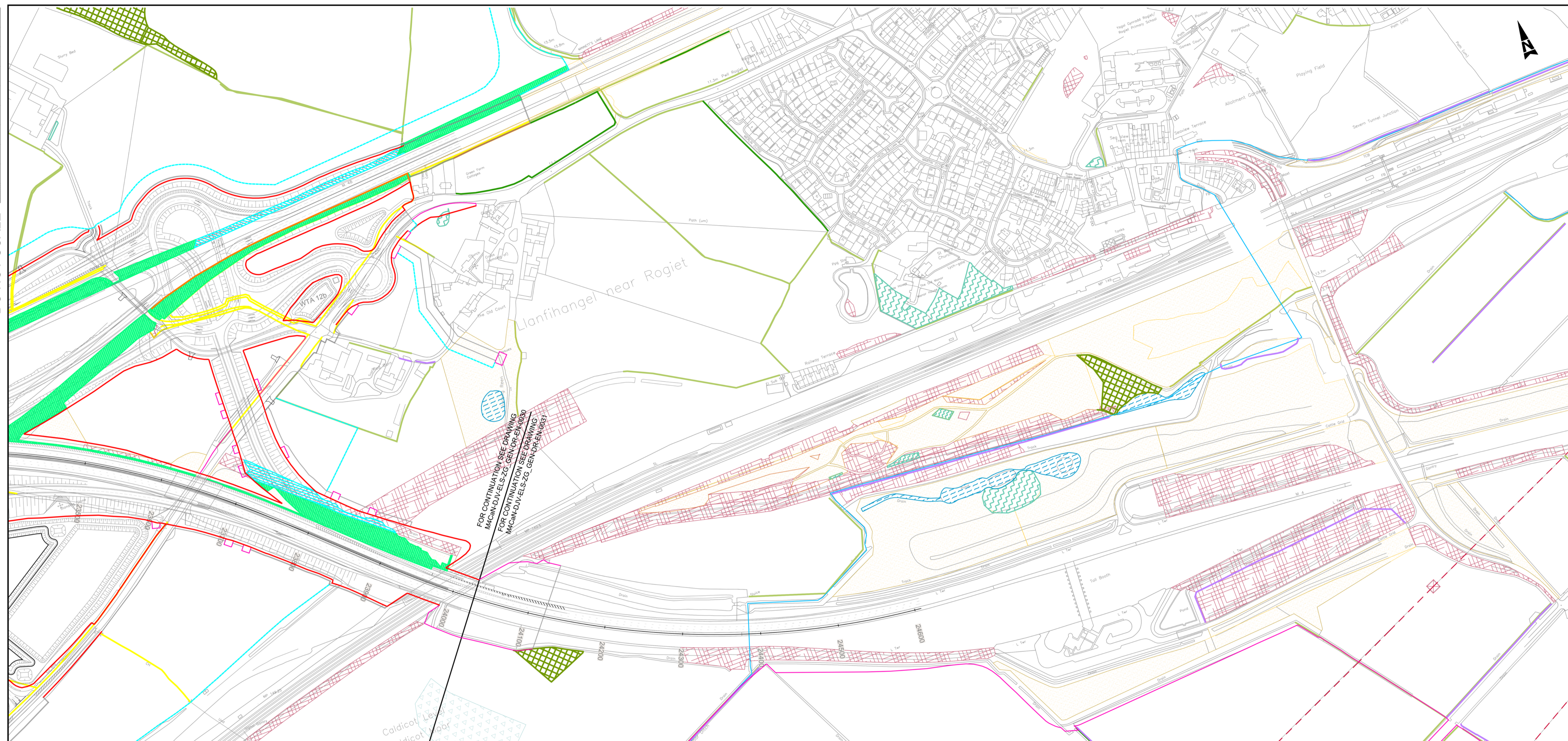
Drawing Status		Subsidiary	Project Title			
FOR COSTING		D1	M4 CORRIDOR AROUND NEWPORT			
Project Team		Drawing Title				
		FIGURE 9.21 - EXISTING VEGETATION & CLEARANCE DRAWINGS SHEET 14 OF 16				
Scale	Designed / Drawn	Checked	Approved	Authorised		
1:2500	ERM	NJR	PAI	KEN		
Original Size	Date	Date	Date	Date		
A1	10/02/16	10/02/16	10/02/16	23/02/16		
Drawing Number	Project	Originator	Volume	Revision		
	M4CaN - DJV - ELS - ZG_GEN - DR - EN - 0030			AT ISSUE		
Client	Llywodraeth Cymru Welsh Government					

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DO NOT SCALE

Millimetres

0 10 100



FOR CONTINUATION SEE DRAWING
M4CaN-DJV-ELS-ZG
FOR CONTINUATION SEE DRAWING
M4CaN-DJV-ELS-ZG GEN-DR-EN-0031

LEGEND

SITE EXTENTS	EXISTING VEGETATION RETAINED	EXISTING VEGETATION TO BE REMOVED BETWEEN USK & MAGOR	EXISTING FEATURES
<ul style="list-style-type: none"> Essential Boundary Fenceline Highway Boundary Fenceline Easement Outside of Highways Boundary Temporary Works & Access for Construction & Borrow Pits 	<ul style="list-style-type: none"> LE1.3 Species Rich Grassland LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs LE2.8 Scrub LE4.2 Hedgerow LE4.4 Hedgerow with Trees LE5.1 Individual Trees 	<ul style="list-style-type: none"> LE6.1 Waterbodies & Associated Plants LE6.2 Banks & Ditches & LE6.3 Reed Beds LE6.4 Marsh & Wet Grassland Allotments Newport City Council TPO designations of Groups/Areas/Woodland/Individual Trees LE1.3 Species Rich Grassland Area = 4,006m² LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs Area = 26,076m² LE2.8 Scrub Area = 229,245m² LE4.2 Hedgerow Length = 12,713m LE4.4 Hedgerow with Trees Length = 8,429m LE5.1 Individual Trees Area = 5,897m² 	<ul style="list-style-type: none"> LE6.1 Waterbodies & Associated Plants Area = 4,006m² LE6.2 Banks & Ditches & LE6.3 Reed Beds Length = 8,887m LE6.4 Marsh & Wet Grassland Area = 209,405m² Tree Protection Fencing TPO's to be removed Existing Waterways Existing Overhead Powerlines & Pylons

Note: TPO designations not available from Monmouthshire County Council at time of issue
Circles used for individual TPO trees do not represent true size of trees

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<p>Environmental Functions (EF):</p> <ul style="list-style-type: none"> EFA Visual Screening EFB Landscape Integration EFC Enhancing the Built Environment EFD Nature Conservation and Biodiversity EFE Visual Amenity EFF Heritage EFG Auditory Amenity EFH Water Quality EFJ Agricultural Highway Boundary EFK Access 	<p>Landscape Elements (LE):</p> <ul style="list-style-type: none"> LE 1.1 Amenity Grassland LE 1.3 Species Rich Grassland LE 1.4 Rock and Scree LE 1.6 Open Grassland LE 2.1 Woodland LE 2.4 Linear Belt of Shrubs and Trees LE 2.5 Shrubs with Intermittent Trees LE 2.6 Shrubs LE 3.1 Amenity Tree and Shrub Planting LE 3.2 Ornamental Shrubs LE 4.3 Native Species Hedgerows LE 4.4 Native Hedgerows with Trees LE 5.1 Individual Trees LE 6.3 Reed Beds LE 6.4 Marsh and Wet Grassland LE 7 Hard Landscape 	<p>Environmental Elements:</p> <ul style="list-style-type: none"> E1 Auditory Amenity E1.1 Noise Reducing Surface E1.2 Noise Barrier-Built Elements E1.3 Noise Earthworks E2 Water Quality E2.1 Water Pollution Control Measures E3 Nature Conservation and Biodiversity E3.1 Protected Species E3.2 Ecological Protection Measures 	<p>KEY PLAN</p> <p>GENERAL NOTES</p> <ol style="list-style-type: none"> ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE. ONLY WRITTEN DIMENSIONS SHALL BE USED, DO NOT SCALE. DRAWINGS TO BE READ IN CONJUNCTION WITH LANDSCAPE ENVIRONMENTAL MASTERPLANS DRAWINGS 'M4CaN-DJV-ELS-ZG_GEN_DR_EN_0001-0016' AND GENERAL ARRANGEMENT DRAWINGS 'M4CaN-DJV-HGN-ZG_GEN_DR_CH_0001-0016'
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ISSUE	23/02/16	FINAL ISSUE TO WG	ERM	NJR	PAI
Rev.	Date	Description	By	Chk'd	App'd

Drawing Status: **FOR COSTING**

Project Team:

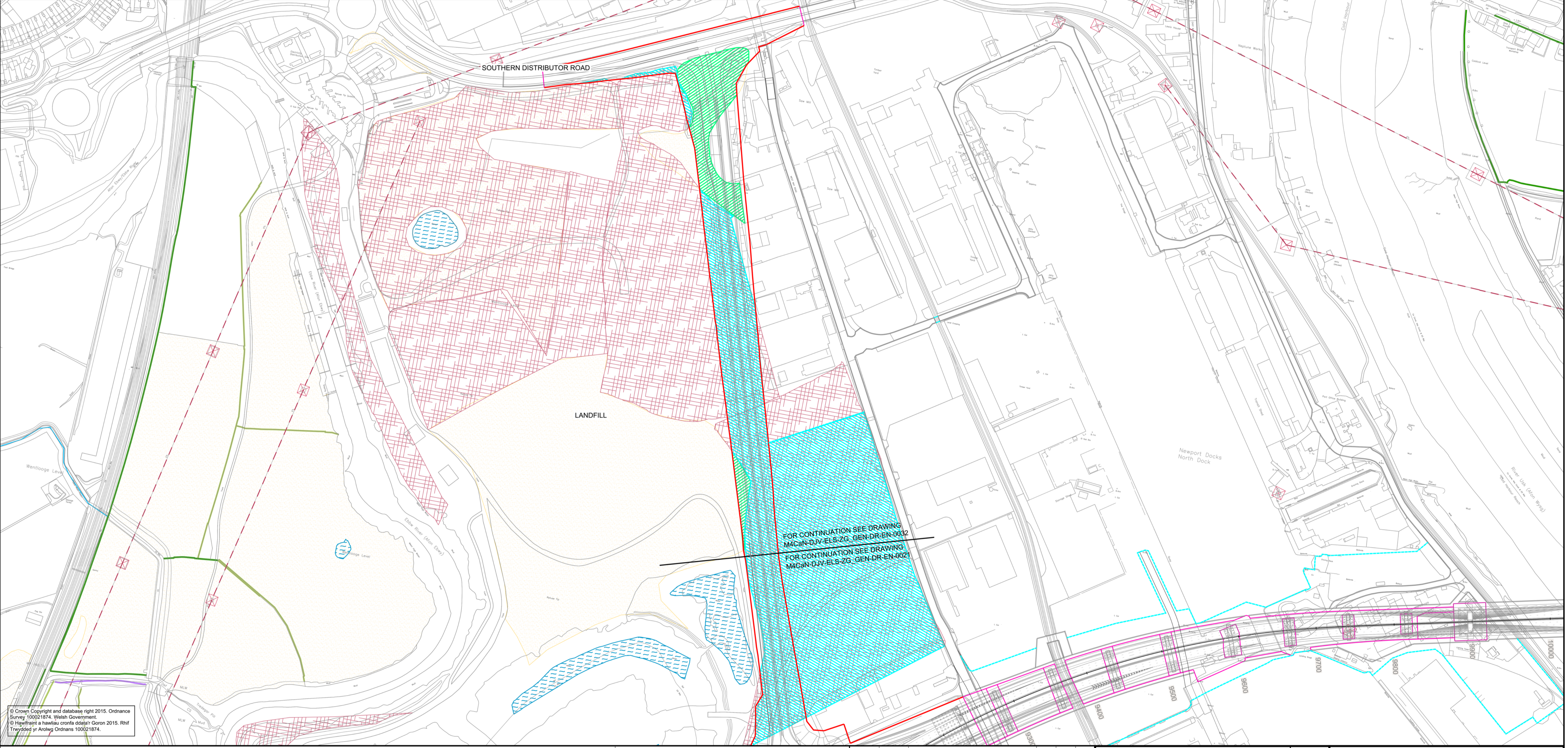
Client: Llywodraeth Cymru Welsh Government

Project Title: M4 CORRIDOR AROUND NEWPORT				
Drawing Title: FIGURE 9.21 - EXISTING VEGETATION & CLEARANCE DRAWINGS SHEET 15 OF 16				
Scale: 1:2500	Designed / Drawn: ERM	Checked: NJR	Approved: PAI	Authorised: KEN
Original Size: A1	Date: 10/02/16	Date: 10/02/16	Date: 10/02/16	Date: 23/02/16
Drawing Number: Project	Originator: M4CaN - DJV - ELS - ZG_GEN - DR - EN - 0031	Volume:	Revision: AT ISSUE	
Location:	Type:	Role:	Number:	

100
0 10
Millimetres

DO NOT SCALE

LEGEND		EXISTING VEGETATION TO BE REMOVED BETWEEN CASTLETON & USK		EXISTING FEATURES	
Essential Boundary Fenceline	LE1.3 Species Rich Grassland	LE6.1 Waterbodies & Associated Plants	LE1.3 Species Rich Grassland Area = 533,269m ²	LE6.1 Waterbodies & Associated Plants Area = 3,038m ²	Existing Waterways
Highway Boundary Fenceline	LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs	LE6.2 Banks & Ditches & LE6.3 Reed Beds	LE2.1 Woodland & LE2.4 Linear Belt of Trees & Shrubs Area = 18,476m ²	LE6.2 Banks & Ditches & LE6.3 Reed Beds Length = 742m	Existing Overhead Powerlines & Pylons
Easement Outside of Highways Boundary	LE2.8 Scrub	LE6.4 Marsh & Wet Grassland	LE2.8 Scrub Area = 335,139m ²	LE6.4 Marsh & Wet Grassland Area = 585m ²	Note: TPO designations not available from Monmouthshire County Council at time of issue
Temporary Works & Access for Construction & Borrow Pits	LE4.2 Hedgerow	Newport TPO Designations Groups/Areas/Woodland/Individual Trees	LE4.2 Hedgerow Length = 8,216m	Tree Protection Fencing	Circles used for individual TPO trees do not represent true size of trees
	LE4.4 Hedgerow with Trees		LE4.4 Hedgerow with Trees Length = 4,190m	TPO's to be removed	
	LE5.1 Individual Trees		LE5.1 Individual Trees Area = 9,071m ²		



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Environmental Functions (EF):	Landscape Elements (LE):	Environmental Elements:
EFA Visual Screening	LE 1.1 Amenity Grassland	E1 Auditory Amenity
EFB Landscape Integration	LE 1.3 Species Rich Grassland	E1.1 Noise Reducing Surface
EFC Enhancing the Built Environment	LE 1.4 Rock and Scree	E1.2 Noise Barrier-Built Elements
EFD Nature Conservation and Biodiversity	LE 1.6 Open Grassland	E1.3 Noise Earthworks
EFE Visual Amenity	LE 2.1 Woodland	E2 Water Quality
EFF Heritage	LE 2.4 Linear Belt of Shrubs and Trees	E2.1 Water Pollution Control Measures
EFG Auditory Amenity	LE 2.5 Shrubs with Intermittent Trees	E3 Nature Conservation and Biodiversity
EFH Water Quality	LE 2.6 Shrubs	E3.1 Protected Species
EFJ Agricultural Highway Boundary	LE 3.1 Amenity Tree and Shrub Planting	E3.2 Ecological Protection Measures
EFK Access	LE 3.2 Ornamental Shrubs	
	LE 4.3 Native Species Hedgerows	
	LE 4.4 Native Hedgerows with Trees	
	LE 5.1 Individual Trees	
	LE 6.3 Reed Beds	
	LE 6.4 Marsh and Wet Grassland	
	LE 7 Hard Landscape	

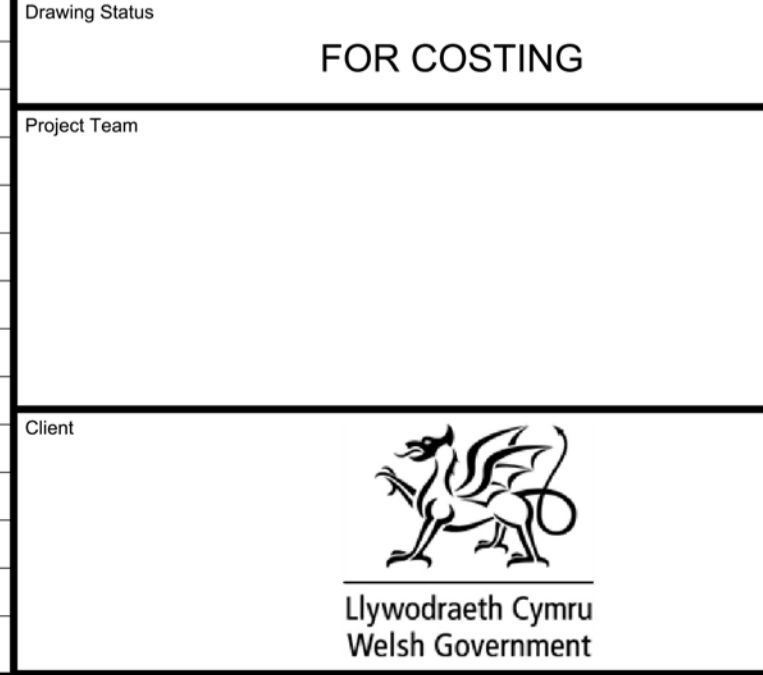
KEY PLAN

GENERAL NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
2. ONLY WRITTEN DIMENSIONS SHALL BE USED, DO NOT SCALE.
3. DRAWINGS TO BE READ IN CONJUNCTION WITH LANDSCAPE ENVIRONMENTAL MASTERPLANS DRAWINGS 'M4CaN-DJV-ELS-ZG_GEN_DR_EN_0001-0016' AND GENERAL ARRANGEMENT DRAWINGS 'M4CaN-DJV-HGN-ZG_GEN_DR_CH_0001-0016'

ISSUE	23/02/16	FINAL ISSUE TO WG	ERM	NJR	PAI
Rev.	Date	Description	By	Chk'd	App'd

Drawing Status	Suitability	Project Title
FOR COSTING	D1	M4 CORRIDOR AROUND NEWPORT
Project Team	Drawing Title FIGURE 9.21 - EXISTING VEGETATION & CLEARANCE DRAWINGS SHEET 16 OF 16	
Client	Scale: 1:2500 Original Size: A1 Designed / Drawn: ERM Date: 10/02/16 Checked: NJR Date: 10/02/16 Approved: PAI Date: 10/02/16 Authorised: KEN Date: 23/02/16 Drawing Number: M4CaN - DJV - ELS - ZG_GEN - DR - EN - 0032 Project: M4CaN - DJV - ELS - ZG_GEN - DR - EN - 0032 Originator: M4CaN - DJV - ELS - ZG_GEN - DR - EN - 0032 Volume: M4CaN - DJV - ELS - ZG_GEN - DR - EN - 0032 Revision: AT ISSUE	



ISSUE	23/02/16	FINAL ISSUE TO WG	ERM	NJR	PAI
Rev.	Date	Description	By	Chk'd	App'd